

REPORTS  
TO THE  
LOCAL GOVERNMENT BOARD  
ON  
PUBLIC HEALTH AND MEDICAL  
SUBJECTS.

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(NEW SERIES No. 78.)

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STATISTICS  
OF THE  
INCIDENCE OF NOTIFIABLE INFECTIOUS DISEASES  
IN EACH SANITARY DISTRICT IN ENGLAND  
AND WALES, AND PRELIMINARY STATEMENT  
AS TO SMALL-POX, PLAGUE, AND CHOLERA  
ABROAD DURING THE YEAR 1912.



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# STATISTICS

OF THE

## Incidence of Notifiable Infectious Diseases in each Sanitary District in England and Wales, and Preliminary Statement as to Small-pox, Plague, and Cholera Abroad during the year 1912.

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To the Right Honourable John Burns, M.P.,  
President of the Local Government Board,

SIR,

I HAVE the honour to submit the following statistics of cases of notifiable infectious diseases reported during the year 1912. The statement comprises the number of cases and the incidence in relation to population of each of the notifiable acute infectious diseases in every sanitary area of England and Wales, and in certain grouped areas. The corresponding statement for the year 1911 was the first complete record of the kind; it was made practicable by the Board's General Order of 13th December, 1910, which made it the duty of Medical Officers of Health of extra-metropolitan sanitary areas to transmit to the Board each Monday a statement of the number of cases of infectious disease notified to them during the preceding week. The summary of the number of cases of infectious diseases notified during the year 1912 in each district of England and Wales, which is given in the following pages, is based on these weekly returns.\*

In addition, and for the first time, it has been arranged to give in this statistical return a brief outline of the occurrences of plague, cholera, and small-pox abroad. This account, so far as it relates to plague and cholera, is not intended to supersede the annual statement contained in the Medical Officer's Annual Report, but to give information to port Medical Officers of Health and others of the ports and localities from which danger is most liable to arise, additional to that contained in the weekly lists sent to port Medical Officers of Health.

The information as to small-pox abroad has been added, in view of the increased importance which attaches to imported small-pox, as the chief source of small-pox in this country in recent years. It is hoped that this information will be helpful in drawing attention to some of the likely sources of imported infection.

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\* Similar information is given for the Metropolis, returns for which are sent to the Board weekly by the Metropolitan Asylum Managers. These are compiled from copies of notifications received by them from Metropolitan Medical Officers of Health under Sec. 55 (4) of the Public Health (London) Act, 1891. The weekly returns from ports are made in pursuance of the duty imposed on the Port Medical Officers of Health, except London, by the Board's General Order. The returns for pulmonary tuberculosis in London are derived from information supplied by Dr. Hamer.



The section in regard to these three diseases abroad has been contributed by Dr. Bruce Low. It must be remembered that, owing to the early compilation of the information, before the annual foreign official reports have been received, the figures are necessarily incomplete and subject to revision.

*Extensions of Compulsory Notification of Disease in 1912.*

All cases of pulmonary tuberculosis became compulsorily notifiable on the 1st of January, 1912, under the Board's General Order, dated 15th of November, 1911. By General Order made by the Board on the 15th of August, 1911, cerebro-spinal fever and acute poliomyelitis were made compulsorily notifiable from September 1st, 1912. Prior to the general enforcement of notification of cerebro-spinal fever and acute poliomyelitis, nearly 900 sanitary authorities had extended the duty of notification under the Infectious Disease (Notification) Act, 1889, to these diseases. In London these diseases were compulsorily notifiable throughout 1911 and 1912.

In certain districts one or other of the following diseases has been made notifiable by sanitary authorities with the Board's consent :—

Measles.  
Whooping Cough.  
Chicken-pox.  
Ophthalmia Neonatorum.  
Epidemic Diarrhœa.  
Anthrax.  
Hydrophobia.  
Glanders.

*Description of the Tables.*

The statistics are tabulated in order of counties given alphabetically.

The comparative statistics for administrative counties as a whole are collected in the summary table on pp. 34-35, and for county boroughs on pp. 36-37.

The statistics of each county contain information as to the incidence of the chief infectious diseases in—

1. The entire administrative county.
2. Each county borough within the geographical county.
3. The aggregate of the boroughs and urban districts situate within the administrative county.
4. The aggregate of the rural districts situate within the administrative county.
5. Each single borough and urban district.
6. Each single rural district.

In each of the tables the number of cases and the rate per 1,000 of population are given for each of the following diseases :—

Small-pox.  
Scarlet Fever.  
Diphtheria.  
Enteric Fever.  
Puerperal Fever.  
Erysipelas.

The cases of typhus fever are stated in a footnote to the table for each county.

Statistics as to plague and cholera are given on p. 12.

The statistics for some of the diseases locally notifiable are given on p. 13.

As already stated, the rates are given for each sanitary area in England and Wales. Many of these districts have very small populations, and in many instances one or only a few cases of disease form the basis on which the rate is calculated. Although for convenience of reference the rates for such districts have been given, it is evident that in judging of their significance reference should always be made to the population and to the number of cases of sickness on which each rate is based.

It is unnecessary to labour the point that the epidemiological and administrative value of the rates set out in the tables in this return will rapidly increase with the possibilities of comparison with past years.

### *Sickness Statistics for 1912.*

In the present Report it is proposed to confine comment to the contents of the two summary tables on pp. 34-37. Each Medical Officer of Health will be able to pursue local comparisons to meet his special requirements by consulting the detailed tables for the different counties.

During 1912 the total number of cases of the chief notifiable diseases in England and Wales was as follows:—

Disease.	England and Wales, 1912.	
	No. of cases notified.	Rate per 1,000 of population.
Pulmonary Tuberculosis ... ..	110,551	3·06
Small-pox ... ..	111	0·00
Typhus Fever ... ..	31	0·00
Scarlet Fever ... ..	107,477	2·98
Diphtheria ... ..	44,687	1·24
Enteric Fever ... ..	8,262	0·23
Continued Fever ... ..	97	0·00
Relapsing Fever ... ..	—	—
Puerperal Fever ... ..	2,184	0·06
Erysipelas ... ..	22,865	0·63
Cholera... ..	—	—
Plague ... ..	1	0·00

In addition to the above, the following cases were notified to port sanitary authorities, being chiefly cases of imported disease:—

Small-pox, 12; Scarlet Fever, 31; Diphtheria, 67; Enteric Fever, 124; Erysipelas, 21; Continued Fever, 8; Plague, 2; Pulmonary Tuberculosis, 155.



In the following table a comparison is given of the rates for the chief diseases in certain large aggregations of populations:—

*Sickness Rates per 1,000 of Population.*

—	Small-pox.	Typhus Fever.	Scarlet Fever.	Diphtheria.	Enteric Fever.	Puerperal Fever.	Erysipelas.
England and Wales ... ..	0·00	0·00	2·98	1·24	0·23	0·06	0·63
England ... ..	0·00	0·00	2·95	1·24	0·23	0·06	0·65
Wales (including Monmouth)	0·00	—	3·35	1·27	0·21	0·07	0·46
London ... ..	0·00	0·00	2·51	1·57	0·16	0·08	0·91
Aggregate of Administrative Counties of:—							
England (excluding London)	0·00	0·00	2·77	1·10	0·22	0·05	0·53
Wales (including Monmouth)	0·00	—	3·32	1·13	0·20	0·07	0·45
Aggregate of County Boroughs of:—							
England ... ..	0·01	0·00	3·46	1·32	0·28	0·07	0·75
Wales (including Monmouth)	—	—	3·46	1·84	0·25	0·06	0·54

*Seasonal Incidence.*

The following table shows the seasonal incidence of scarlet fever, diphtheria, and enteric fever during the years 1911 and 1912. The actual average weekly number of cases is given at the base of each column. The weekly number of cases are shown in their relation to this number of cases taken as 100:—

ENGLAND AND WALES.

*Relative Weekly Incidence of Scarlet Fever, Diphtheria and Enteric Fever during the years 1911 and 1912. (The number in each week is stated in proportion to the average weekly number for the entire year taken as 100.)*

Week ending (1912).				Scarlet Fever.		Diphtheria.		Enteric Fever.	
				1911.	1912.	1911.	1912.	1911.	1912.
Jan.	6	...	...	96	107	99	128	77	135
"	13	...	...	96	106	103	114	65	124
"	20	...	...	99	103	113	127	64	113
"	27	...	...	98	107	107	129	78	112
Feb.	3	...	...	90	103	107	120	58	97
"	10	...	...	92	94	103	111	59	110
"	17	...	...	96	99	108	112	54	101
"	24	...	...	89	97	112	117	59	126
March	2	...	...	90	93	101	126	60	108
"	9	...	...	86	87	106	116	56	96
"	16	...	...	83	89	96	112	45	82
"	23	...	...	82	82	89	100	56	81
"	30	...	...	82	84	92	103	61	95

Week ending (1912).				Scarlet Fever.		Diphtheria.		Enteric Fever.	
				1911.	1912.	1911.	1912.	1911.	1912.
April 6	...	...		80	66	81	83	49	96
" 13	...	...		73	67	81	92	47	92
" 20	...	...		79	77	83	80	53	97
" 27	...	...		75	88	74	91	60	91
May 4	...	...		77	78	75	94	46	85
" 11	...	...		86	86	84	90	56	105
" 18	...	...		85	88	77	89	42	<b>138</b>
" 25	...	...		83	85	76	85	48	115
June 1	...	...		73	84	80	83	59	91
" 8	...	...		67	91	72	86	46	89
" 15	...	...		72	92	75	87	51	83
" 22	...	...		75	95	70	92	50	81
" 29	...	...		81	86	83	85	56	77
July 6	...	...		93	90	83	81	48	69
" 13	...	...		88	95	88	96	48	81
" 20	...	...		97	84	94	96	67	101
" 27	...	...		91	84	90	88	52	89
Aug. 3	...	...		83	82	83	87	54	91
" 10	...	...		73	79	71	76	76	108
" 17	...	...		67	83	73	82	91	<b>140</b>
" 24	...	...		72	83	71	75	<b>138</b>	118
" 31	...	...		76	87	73	78	<b>194</b>	108
Sept. 7	...	...		88	94	85	96	<b>269</b>	108
" 14	...	...		98	105	98	90	<b>323</b>	107
" 21	...	...		111	120	104	98	<b>325</b>	112
" 28	...	...		<b>132</b>	124	116	105	<b>278</b>	106
Oct. 5	...	...		<b>135</b>	122	115	105	<b>266</b>	118
" 12	...	...		<b>154</b>	<b>139</b>	125	119	<b>246</b>	98
" 19	...	...		<b>165</b>	<b>144</b>	<b>132</b>	108	<b>203</b>	114
" 26	...	...		<b>146</b>	<b>136</b>	<b>138</b>	110	<b>157</b>	105
Nov. 2	...	...		<b>147</b>	<b>146</b>	<b>141</b>	119	120	101
" 9	...	...		<b>149</b>	<b>146</b>	<b>137</b>	116	126	81
" 16	...	...		<b>158</b>	122	<b>145</b>	113	119	86
" 23	...	...		<b>140</b>	<b>142</b>	<b>141</b>	113	115	102
" 30	...	...		<b>151</b>	126	<b>134</b>	112	88	94
Dec. 7	...	...		<b>141</b>	127	<b>149</b>	105	102	86
" 14	...	...		<b>131</b>	112	<b>133</b>	115	83	94
" 21	...	...		110	105	121	101	86	89
" 28	...	...		115	86	109	82	71	75
				100	100	100	100	100	100
Average weekly number of cases notified. }				2,012	2,067	918	859	264	159

Any special seasonal excess under each disease of 30 per cent. over the mean for the whole year is shown by the printing of figures in leaded type.

It will be noted that in 1912, a year characterised by a summer of unseasonable coolness, the usual autumnal excess of enteric fever and diphtheria almost failed to appear; but that in scarlet fever this difference between 1911 and 1912 was much less marked.

*Local Incidence of Disease.*

A comparison is made in the following tables of the incidence of each disease in different parts of the country, the statistics for the two years 1911 and 1912 being compared for large groups of population in a short table under the heading of each disease.

SMALL-POX.

*Sickness Rates per 1,000 of Population.*

—	England and Wales.	England.	Wales (including Mon-mouth).	London.	Aggregate of Administrative Counties of		Aggregate of County Boroughs of	
					England (excluding London).	Wales (including Mon-mouth).	England.	Wales (including Mon-mouth).
1911	0·01	0·01	0·00	0·02	0·01	0·00	0·01	—
1912	0·00	0·00	0·00	0·00	0·00	0·00	0·01	—

In England and Wales, excluding ports, 111 cases of small-pox were notified, as compared with 265 in 1911.

72 cases occurred in towns connected with ports, viz., 1 at South Shields, 1 at Tynemouth, 2 at Liverpool, 2 at Southampton, 2 at West Hartlepool, 4 at Hartlepool, and 60 at Bristol. Of the remaining 39 cases, London had 4, of which 3 were at Woolwich and 1 at Poplar; 6 occurred in Hereford Rural District, and 4 at Nottingham.

In addition, 12 cases, as compared with 30 in 1911, were notified to port sanitary authorities, being chiefly imported cases. Of these cases, 3 occurred in London, 3 in Southampton, 2 in Bristol, 2 in Tees (River), 1 in Liverpool, and 1 in Cardiff.

TYPHUS FEVER.

*Sickness Rates per 1,000 of Population.*

—	England and Wales.	England.	Wales (including Mon-mouth).	London.	Aggregate of Administrative Counties of		Aggregate of County Boroughs of	
					England (excluding London).	Wales (including Mon-mouth).	England.	Wales (including Mon-mouth).
1911	0·00	0·00	—	0·00	0·00	—	0·00	—
1912	0·00	0·00	—	0·00	0·00	—	0·00	—

In England and Wales 31 cases of typhus fever were notified, as compared with 65 in 1911. These cases occurred in 9 sanitary districts, viz.:—9 in Carlisle, 8 in Sunderland, 6 in Liverpool, 3 in Burnley, and 1 each in Bermondsey, Finsbury, Shoreditch, Preston, and Baidon.



## SCARLET FEVER.

*Sickness Rates per 1,000 of Population.*

—	England and Wales.	England.	Wales (including Mon-mouth).	London.	Aggregate of Administrative Counties of		Aggregate of County Boroughs of	
					England (excluding London).	Wales (including Mon-mouth).	England.	Wales (including Mon-mouth).
1911	2·90	2·84	3·66	2·33	2·71	3·62	3·32	3·85
1912	2·98	2·95	3·35	2·51	2·77	3·32	3·46	3·46

In England and Wales, excluding ports, 107,477 cases of scarlet fever were notified, as compared with 104,617 in 1911.

In London the highest rates occurred in Greenwich 4·6, Woolwich 3·9, and Deptford 3·7. The lowest rates in London occurred in Hampstead 1·3, Shoreditch 1·4, and Westminster 1·5.

In county boroughs the highest rates occurred in St. Helens and Eastbourne, 8·6; Exeter, 8·1; Birmingham, 7·1; Huddersfield, 6·5; Coventry and Newport (Mon.), 6·4.

The lowest rates in county boroughs occurred in Dudley, 0·8; Blackburn, 0·9; Reading, 1·0; Oxford, Burnley, Chester, and Hastings, 1·1; Kingston-upon-Hull and West Bromwich, 1·2.

The highest rates for administrative counties as a whole occurred in Cambridge, 7·08; Durham, 6·08; Northumberland, 4·89; Glamorgan, 4·56; Warwick, 4·33.

The lowest rates for administrative counties occurred in Isle of Wight, 1·01; Somerset, 0·92; Pembroke, 0·87; Montgomery, 0·85; Cornwall, 0·81.

## DIPHTHERIA.

*Sickness Rates per 1,000 of Population.*

—	England and Wales.	England.	Wales (including Mon-mouth).	London.	Aggregate of Administrative Counties of		Aggregate of County Boroughs of	
					England (excluding London).	Wales (including Mon-Mouth).	England.	Wales (including Mon-mouth).
1911	1·32	1·33	1·30	1·64	1·22	1·21	1·47	1·68
1912	1·24	1·24	1·27	1·57	1·10	1·13	1·32	1·84

In England and Wales, excluding ports, 44,687 cases of diphtheria were notified, as compared with 47,747 in 1911.

In London the highest rates occurred in Woolwich 3·5, Lewisham and Greenwich 2·7. The lowest rates in London occurred in Westminster and Kensington 1·0, and in Stoke Newington 1·1.

In county boroughs the highest rates occurred in Croydon, 4·6; Portsmouth, 4·5; Canterbury, 3·8; Barrow-in-Furness, 3·1; and Cardiff, 2·9.

The lowest rates in county boroughs occurred in Wigan and Blackburn, 0·4; Oldham and Bath, 0·3; Walsall, Bury, West Bromwich, and Oxford, 0·2; and Dudley, 0·1.

The highest rates for administrative counties as a whole occurred in Cambridge, 2·65; Kent, 1·95; Soke of Peterborough, 1·77; Yorks, North Riding, 1·73; and Westmorland, 1·70.

The lowest rates for administrative counties occurred in Radnor, 0·71; Montgomery, 0·64; Oxford and Warwick, 0·57; Rutland, 0·49; West Suffolk, 0·33.

### ENTERIC FEVER.

#### *Sickness Rates per 1,000 of Population.*

—	England and Wales.	England.	Wales (including Mon-mouth).	London.	Aggregate of Administrative Counties of		Aggregate of County Boroughs of	
					England (excluding London).	Wales (including Mon-mouth).	England.	Wales (including Mon-mouth).
1911	0·38	0·38	0·38	0·23	0·39	0·40	0·43	0·26
1912	0·23	0·23	0·21	0·16	0·22	0·20	0·28	0·25

In England and Wales, excluding ports, 8,262 cases of enteric fever were notified, as compared with 13,730 in 1911.

In London the highest rates occurred in Bermondsey 0·30, Holborn 0·24, and Bethnal Green 0·23. The lowest rates in London were Stoke Newington 0·06, Deptford 0·08, and St. Mary-lebone 0·09.

In county boroughs the highest rates occurred in Bradford, 0·89; Wigan, 0·82; Devonport, 0·66; Portsmouth, 0·63; Rotherham, 0·61; and Stoke-on-Trent, 0·59.

The lowest rates in county boroughs occurred in Bath, 0·09; Ipswich, 0·08; Oxford and Smethwick, 0·06; Bournemouth and Wolverhampton, 0·05; Eastbourne, no cases notified.

The highest rates for administrative counties as a whole occurred in Yorks, North Riding, 0·42; Durham, 0·38; Lancashire, 0·37; Kent, 0·34; Nottinghamshire, 0·34; Southampton, 0·34; Yorks, West Riding, 0·33.

The lowest rates for administrative counties occurred in Anglesey, 0·02; Soke of Peterborough, 0·02; Hereford and Westmorland, 0·03; Oxford and Shropshire, 0·04; Wiltshire, 0·05.

### PUERPERAL FEVER.

#### *Sickness Rates per 1,000 of Population.*

—	England and Wales.	England.	Wales (including Mon-mouth).	London.	Aggregate of Administrative Counties of		Aggregate of County Boroughs of	
					England (excluding London).	Wales (including Mon-mouth).	England.	Wales (including Mon-mouth).
1911	0·06	0·06	0·06	0·07	0·04	0·06	0·08	0·04
1912	0·06	0·06	0·07	0·08	0·05	0·07	0·07	0·06



In England and Wales 2,184 cases of puerperal fever were notified, as compared with 2,029 in 1911.

In London the highest rates occurred in Fulham 0·19, Bermondsey 0·17, and Finsbury 0·14. In Holborn no cases were notified, and the lowest rates were Woolwich 0·02, and St. Marylebone 0·03.

In county boroughs the highest rates occurred in Manchester, 0·19; Warrington, 0·17; Birkenhead and Stoke-on-Trent, 0·14; and Sheffield, 0·12.

The lowest rate in county boroughs occurred in Gateshead and Halifax, 0·01; Canterbury, Derby, Eastbourne, Lincoln, and Norwich, no cases notified.

The highest rates for administrative counties as a whole occurred in Carmarthen, 0·12; Derby, 0·09; Cambridge, Glamorgan, and Monmouth, 0·08.

The lowest rates for administrative counties occurred in Yorks, East Riding, and Yorks, North Riding, 0·01; Merioneth, Radnor, Rutland, and Westmorland, no cases notified.

### ERYSIPELAS.

#### *Sickness Rates per 1,000 of Population.*

—	England and Wales.	England.	Wales (including Monmouth).	London.	Aggregate of Administrative Counties of		Aggregate of County Boroughs of	
					England (excluding London).	Wales (including Monmouth).	England.	Wales (including Monmouth).
1911	0·69	0·71	0·44	1·09	0·56	0·44	0·81	0·47
1912	0·63	0·65	0·46	0·91	0·53	0·45	0·75	0·54

In England and Wales, excluding ports, 22,865 cases of erysipelas were notified, as compared with 24,939 in 1911.

In London the highest rates occurred in Deptford 1·8, Finsbury 1·7, Bethnal Green 1·6. The lowest rates occurred in Chelsea and Hampstead 0·5, and Islington 0·6.

In county boroughs the highest rates occurred in Barrow-in-Furness, 1·24; West Ham, 1·16; Liverpool, 1·15; Plymouth, 1·11; Smethwick, 1·06; and Rotherham, 1·02.

The lowest rates in county boroughs occurred in Chester, 0·36; West Hartlepool, 0·34; Bournemouth and Merthyr Tydfil, 0·27; Oxford, 0·25; and Swansea, 0·23.

The highest rates for administrative counties as a whole occurred in Isle of Ely, 0·93; London, 0·91; Cumberland, 0·79; Essex, 0·71; and Monmouth, 0·69.

The lowest rates for administrative counties occurred in Dorset, 0·27; Devon, 0·26; Cardigan, 0·25; Pembroke, 0·22; and Anglesey, 0·12.



## PULMONARY TUBERCULOSIS.

1912.

				Cases notified in—				
				London.	England (excluding London).	Wales and Monmouth.	Ports.	Total.
1st Quarter...	...			10,092	26,438	1,945	27	38,502
2nd	„	...	..	7,805	16,872	976	50	25,703
3rd	„	...	...	7,219	13,877	932	38	22,066
4th	„	...	...	8,276	15,006	1,113	40	24,435
				33,392	72,193	4,966	155	110,706

Prior to the 1st January, 1912, pulmonary tuberculosis had only been notifiable when the cases occurred in poor law or hospital practice. During the year 1912, under the Board's Order of November 15th, 1911, the notifications of pulmonary tuberculosis include all cases coming under medical care, whether in poor law, hospital, or private practice. The table above includes all three classes. There is reason to believe, however, that the number of notifications reported to the Board has not in every sanitary district included all cases coming under medical care. It will be noticed that the notifications in the first are considerably more numerous than in the remaining three quarters, probably owing to the fact that a considerable number of old cases were notified during this quarter.

The number of cases of pulmonary tuberculosis notified in each sanitary district have not been given in the tables which follow. This has been avoided, because comparisons likely to be based on such statistics would probably be misleading and erroneous. For several years comparisons, especially those for small areas, will be liable to a number of errors, and speaking generally such comparisons—if unchecked by corrected death-rates—are to be deprecated.

Among the considerations showing the need for avoidance of minute comparisons may be mentioned the following. The extent to which medical attendance is available and the readiness and promptitude with which medical aid is sought vary greatly. Tuberculous patients migrate to certain districts, especially health resorts, their illness having been acquired in other districts. The extent to which notification is effective depends largely on the relation of the Medical Officer of Health to the local practitioners, and on the extent to which facilities for bacteriological diagnosis is available and utilised.

In the corresponding report for the year 1913 it is intended to publish tables, showing the number of cases of both pulmonary and non-pulmonary tuberculosis in certain large areas, and the age and sex of the patients.

*Plague.*—Three cases were notified.

*Cholera.*—No case was notified.

*Relapsing Fever.*—No case was notified.

*Acute Poliomyelitis*.—As stated on page 4, this disease became compulsorily notifiable throughout England and Wales on 1st September, 1912. The number of cases notified during the year was 824, of which 421 were notified after the Board's Order came into operation.

*Cerebro-Spinal Fever*.—This disease also became compulsorily notifiable in England and Wales on 1st September, 1912. The number of cases notified during the year was 272, of which 104 were notified after the Board's Order came into operation.

*Ophthalmia Neonatorum*. — This disease was compulsorily notifiable at the commencement of the year in 119 districts, and became notifiable in 8 additional districts during 1912. The cases reported to the Board from these areas numbered 2,186. In London 697 cases were notified, in Manchester 527, in Stoke-on-Trent 237, and in Birmingham 222.

I am again indebted to Dr. Stevenson, of the General Register Office, for arranging for the calculation of the rates given in the following tables.

I am, Sir,  
Your obedient Servant,  
ARTHUR NEWSHOLME,  
Medical Officer.

February, 1913.

## SKETCH OF THE OCCURRENCES OF SMALL-POX ABROAD DURING 1912; BY DR. R. BRUCE LOW.

NOTE.—This short sketch of small-pox occurrences in 1912 throughout the World is necessarily incomplete, since it was written early in 1913, before the full reports of the past year had come in. But the facts given will serve the purpose of showing how widely spread has been the incidence of the disease in 1912, and they will also indicate the quarters which have suffered most and from which importation of the infection was most to be expected. Where definite figures have been given it must be understood that they are put forward provisionally, and are subject to alteration and revision on receipt of the complete returns supplied by the various countries.

### EUROPE.

Small-pox is seldom absent from Europe, and there are some countries in it which are never free from the disease, while others hardly ever have a case, unless it be an imported one.

*Norway*.—The Scandinavian kingdoms are well vaccinated, and it is rare to hear of small-pox occurring in them. Only a single case was reported in Norway, at Christiania; this was shipborne, having come from the Russian port of Windau.

*Russia*.—In Russia vaccination is commonly neglected, and small-pox is frequently, almost annually epidemic, the number of small-pox deaths in recent years having ranged from 40,000 to 50,000 per annum. In a country like Russia it is difficult, so soon after the termination of the year, to obtain correct figures, but it may be said that during 1912 small-pox as usual was prevalent in



some of the large cities, such as St. Petersburg, where, according to some accounts, about 500 cases occurred, more than 100 of them proving fatal. In Warsaw close upon 1,000 cases were reported during 1912, and over 400 terminated fatally. Small-pox was also prevalent in Moscow (where, upon an average, more than 200 persons die annually of the disease) and in Odessa; cases likewise occurred in the Baltic ports of Riga, Libau, and Reval, and in the Black Sea port of Batum, but so far as can be ascertained not in any great number.

*Roumania.*—Small-pox was present in certain parts of Roumania during the year, as, for example, in the capital, Bucharest, where in August about 70 cases were notified; but as compared with the previous year Roumania suffered but slightly, for in 1911 over 18,000 cases came under observation.

*Austro-Hungary.*—There was no epidemic in Austro-Hungary during 1912, but small-pox showed itself in a number of large towns and in several of the provinces. Cases were notified in the cities of Vienna, Budapest, and Triest, and in the provinces of Galicia, Bohemia, Carniola, Upper Austria, and the Tyrol; but in none was the disease present in any great amount. In December some cases occurred among Mohammedan immigrants at Triest, the infection having been contracted at Salonica. There were several deaths. The previous cases in Triest occurred in the spring months.

*Germany.*—The cases of small-pox which have occurred in several recent years in the German Empire, have usually been due to importation from neighbouring unprotected countries, especially Russia. During 1912 about 275 cases were notified, a large proportion of them in districts close to the frontiers of Russia and Austria.\* Not far short of half of the small-pox cases notified in Germany during 1912 had either arrived recently from foreign lands or were foreign workmen from countries where vaccination has in the past been neglected, including Russia, Austria, and Italy. The months in which small-pox cases are notified in largest numbers are March, April, and May—the time when the influx of foreign labourers into the German agricultural districts is greatest. Nine of the cases were notified at the port of Hamburg, which, with its large commercial communications through shipping with South America, is peculiarly liable to be invaded by small-pox infection from that quarter.

*Switzerland.*—In Switzerland scattered cases—about 21 in number, 12 of which were in December—occurred in some of the large towns, such as Basle, Berne, Geneva, Neuchatel, Lucerne, and also in the cantons of Aargau, Obwalden, St. Gall, Zurich, and Graubünden (or Grisons), but there were no epidemics. According to recent information from a German official source there was an outbreak in December of small-pox at Davos, in the canton of Graubünden in two boarding houses, where five cases were notified;

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\* In the last published official report on small-pox in Germany, that for 1910, it is stated that for the 25 years' period 1886 to 1910 inclusive of the total deaths from small-pox in the German Empire registered in that period 59·6 per cent. occurred in districts close to the frontiers of Russia and Austria.



and at Igis, in the same canton also during December, eight persons were attacked by the disease. The infection was brought to Davos by a visitor from Russia.

In the previous year there were altogether 92 cases in Switzerland, 66 of which were in the canton of Aargau and 16 in Berne.

*Italy.*—So far as can be judged by official reports for the past few years, about 4,000 small-pox cases, on an average, are notified in Italy annually—that is, in non-epidemic years. But during the first five months of 1912 alone, as many as 11,179 small-pox attacks were certified. A considerable epidemic of the disease occurred in Palermo and district, this being a continuation of an outbreak which began early in 1911. It is stated that up to September, 1912, from the beginning of the outbreak in 1911, no fewer than 6,353 cases of small-pox were notified in Palermo and district, and 2,060 died from the disease, and, calculated upon these figures, this gives the high case mortality rate of 32·4 per cent. Nearly 3,500 cases of small-pox were notified in the province of Palermo during the first four months of 1912, and 1,643 others in the province of Catanzaro in the south-western extremity of the Italian peninsula. Prevalences of small-pox were reported from Rome, Turin, and Messina, and at the seaport towns of Genoa (about 50 cases), Leghorn (130 cases), Venice (40), and Naples (close upon 150).

*France.*—Though it is known that small-pox occurred during 1912 in a number of towns and districts in France, definite information is not forthcoming respecting them. In Paris over 160 cases were reported, against 142 in 1911; in Marseilles the disease was present during part of the year, causing 16 deaths in the third quarter. Other places invaded included the town of Lyons and the ports of Havre and Nantes. It is more than probable that this does not by any means represent all the small-pox that occurred in France during 1912.

*Spain.*—Small-pox is frequently epidemic in Spain, and in 1911 in the large towns alone 576 fatal cases were recorded. During 1912 a considerable number of towns suffered from the disease. In Barcelona an outbreak occurred in the late months of the year, and up to December over 600 persons had been attacked. The disease was also prevalent in the suburbs and in the rural districts outside the city. In Almeria, which, like Barcelona, is a seaport town on the shores of the Mediterranean, small-pox began to be epidemic in July, 1912, and the infection spread with some virulence. At first children were the chief sufferers, but later adults suffered equally. From July to October 53 persons died from the epidemic disease. In Madrid, Cordoba, Grenada, Zamora, and Valladolid the disease was also prevalent, as also in the seaport towns of Seville, Valencia, Malaga, and Cadiz.

*Portugal.*—In December, 1911, small-pox began to be epidemic in Lisbon, and continued more or less until December, 1912, over 200 cases being reported. But no definite particulars as to the outbreak have been obtainable.

*Gibraltar.*—Only a few cases, probably imported from Spain, came under official observation during 1912.

*Malta.*—A few imported cases were also notified from Malta.

*Turkey in Europe.*—Small-pox has been prevalent in Constantinople during the whole of 1912, but in the latter part of the year the prevalence became more acute owing to the influx of strangers, troops from Asia Minor on their way to the seat of war, and refugees from Thrace and Macedonia fleeing before the advancing Bulgarian invaders. From the beginning of the year to December more than 500 deaths from small-pox were heard of in Constantinople; but this is probably a conservative estimate of the ravages of the disease. Small-pox appeared in December at the port of Salonica, but the number of cases and deaths has not yet been ascertained. It was definitely stated that several Mohammedan immigrants who arrived at Triest from Salonica were suffering from small-pox, and that six persons had died on the voyage and were buried at sea. Some of the cases were of the hæmorrhagic form.

#### AFRICA.

*Algeria.*—Small-pox was epidemic in some parts of Algeria, and a number of cases were reported in the towns of Algiers and Oran; in the former some 50 and in the latter about 160 persons were attacked. A somewhat severe outbreak occurred at Constantine, more than 100 cases being notified.

*Egypt.*—The disease is year by year present in Egypt, and for the last three years upon an average 3,500 cases have come under observation annually. During 1912, up to mid-December, some 1,968 cases had been notified with 461 deaths in various parts of the country. About 36 of the cases occurred in Cairo, and some others were observed at Alexandria and Port Said.

*Abyssinia.*—Reports from Abyssinia state that in the autumn small-pox was prevalent at Adis Ababa, but no particulars of this outbreak have been forthcoming.

*Somaliland.*—In 1911 there was a widespread epidemic of small-pox in Somaliland, and this was continued during part of 1912; altogether about 3,000 persons were attacked by the disease, and about 1,300 died from it.

*British East Africa.*—Some cases of small-pox, most of them in the summer months, were reported in Mombassa, the chief port of British East Africa. In October the disease recrudesced, about 40 cases and 13 deaths being certified at Mombassa.

*Natal.*—There was a limited outbreak of small-pox in South Africa, at Durban, the principal port of Natal, but the disease did not assume epidemic proportions, only about 30 cases being notified.

*Transvaal.*—A sharp outbreak of small-pox was reported at Johannesburg, where over 100 persons were attacked, but the disease was quickly controlled by the sanitary staff of the municipality, a vigorous vaccination campaign having been instituted.

*Zanzibar.*—A few cases came under notice of the authorities at Zanzibar during the autumn, but the infection did not spread.



*Basutoland*.—Small-pox was prevalent in Basutoland during 1912, particularly in the Mafeting and Mohale's Hoek districts, over 80 persons in the first-named district and more than 300 in the second being attacked by the disease. But the cases generally were of a mild type.

*West Africa*.—Small-pox is constantly occurring among the natives in the Colonies of the Great Powers in West Africa; as for example in the French territories of Senegal, Guinea, Ivory Coasts, Dahomey, and Mauritania, as well as in the German Colonies of South-West Africa, the Cameroons, and Togoland. Small-pox occurs year after year in the British West African possessions; but particulars about them are not published directly in this country, so that details of places invaded, or numbers of cases and deaths certified, cannot yet be given. In December the British Consul at Dakar, Senegal, reported an outbreak of small-pox at that town.

*The Canary Islands*.—This group of islands, situated off the North-west Coast of Africa, form a province of Spain. The Canaries were invaded by small-pox in 1911, and the prevalence was maintained during 1912. The disease was specially rife in the Island of Teneriffe including the city of Santa Cruz, which is a seaport and the capital of the Canary Islands.

#### THE NEAR EAST.

*Beirut (or Beyrout)*.—A serious epidemic of small-pox began about the end of 1911 in Beirut, a seaport town on the coast of Syria, 57 miles from Damascus. This epidemic lasted till October, 1912, and up to that date about 1,750 persons had been attacked. Though no definite information is to hand, it is understood that the disease was also prevalent in the surrounding districts.

*Aden*.—A somewhat severe outbreak of small-pox began at Aden in 1911 and continued during the early months of 1912, about 200 cases altogether being notified.

#### THE FAR EAST.

*India*.—Small-pox is annually epidemic in one or another part of India, and the number of deaths in the last few years has varied from 50,000 to 100,000 per annum. At the time of writing the complete figures for 1912 for the various provinces of India have not yet reached this country; but for the first ten months of the year more than 64,000 deaths from small-pox were registered in India.\* The province which suffered most was the Punjab, in which over 23,000 small-pox deaths were reported, the Madras Presidency coming next with over 9,000.

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\* No information has been obtained up to the time of writing as to the amount of small-pox observed during 1912 in the following provinces and Native States, viz. :—Central India, Mysore, Hyderabad, Rajputana and Ajmer. Merwara, Kashmir, Baluchistan and Coorg, the combined population of which, according to the 1911 census, was over 43 millions.



As regards the chief ports of India there was a somewhat severe outbreak at Bombay, where over 1,500 cases were notified. In Calcutta the disease was present most of the year, but not in very great amount, though some 70 deaths were certified from this cause. In the port of Rangoon small-pox had been epidemic in 1911, and the disease continued to occur in 1912, over 400 cases being notified. A few fatal cases were recorded at the port of Karachi, and in Moulmein about 120 deaths from small-pox were registered, as well as nearly 200 in Madras city.

*Ceylon.*—Only a few cases of small-pox were notified at Colombo, so far as can be ascertained, during the early part of 1912.

*Straits Settlements.*—In Singapore small-pox cases cropped up throughout the year, but only in sporadic form, some 79 cases and 30 deaths being recorded. At Penang a few cases came under observation between February and July.

*The Dutch East Indies.*—Small-pox was epidemic in the Island of Java, the seaport towns of Batavia and Soerabaya being affected. At the former of them, up to October, about 135 cases had been observed, and in the latter up to April 155 persons were attacked, of whom 70 died. Later the disease continued in Soerabaya in the autumn, attacking 174 persons, of whom 50 died; and an outbreak comprising 57 cases and 33 deaths occurred at Samarang in October.

*French Indo-China.*—Information regarding only one place in this territory is forthcoming at the present time, namely from Saigon, the capital of Cochinchina, where about 70 cases were reported up to August.

*Siam.*—At Bangkok, the capital of Siam, small-pox was epidemic from the end of 1911 up to October, 1912. No fewer than 2,361 fatal cases being recorded in that period.

*China.*—Small-pox is ever present in the Chinese Empire, though comparatively little is heard of it in official reports. There was a severe epidemic in Hong-Kong extending from 1911 to September, 1912, nearly 800 cases being notified, of which more than 560 terminated fatally. The disease is also known to have been present during 1912 in Chaochow-fu, Shanghai, Chunking, Hankow, Hoihow, Kityang, Nanking, Swatow, Amoy, and Tientsin. Also at Dalny, or Darien, in the Liao-Toung peninsula, Manchuria. From some of these Chinese ports small-pox infection was conveyed on board ships to other countries.

*Japan.*—There was no epidemic of small-pox in Japan during 1912, but a number of imported cases were notified at Kobe, Nagasaki, Nogahama, Yokohama, and Kanagawa; in most of the instances the infection had been brought from Hong-Kong, Shanghai, or some other Chinese port. In Formosa a few cases also occurred.

*Korea.*—Small-pox was very prevalent in Korea during 1912, over 860 cases being reported. A number of persons in Seoul, the capital of the country, were attacked by the disease.

*Siberia.*—Cases of small-pox were reported early in 1912 at Omsk, in the Government of Tobolsk in Western Siberia, and also at Vladivostock, which is situated on the coast of the Sea of Japan.

*The Philippine Islands.*—Small-pox infection was repeatedly introduced during 1912 into the port of Manila on board vessels coming generally from Chinese ports. In one of these instances eight small-pox cases occurred on board a United States transport vessel among the crew, the infection having been contracted at a Chinese port. Since 1910, when small-pox was epidemic in the Philippines, a strenuous campaign of vaccination has been carried out. Small-pox, since 1910, save in isolated instances as just mentioned, has been practically eliminated from these islands.

*Australia.*—So far as can be learned, only three cases of small-pox, all shipborne, occurred in the Commonwealth during 1912. One of these occurred at the port of Fremantle in Western Australia; the second at the quarantine station at Thursday Island, in the Torres Straits; and the third at the seaport town of Townsville in Cleveland Bay, Queensland, 870 miles north of Brisbane.

*The Hawaiian Islands.*—A single shipborne case of small-pox was notified in July, 1912, at the port of Honolulu, the capital of these islands, which are situated in the North Pacific. There was no spread of the disease from this case. At the close of the previous year, it may be mentioned that a vessel arrived at Honolulu having had a number of deaths from small-pox on board while at sea, some of them being of the hæmorrhagic type. The vessel came from Oporto viâ Chilian ports. Up to December 25, 1911, as many as 37 cases had been reported in connection with this ship.

#### SOUTH AND CENTRAL AMERICA.

*Brazil.*—Small-pox is often epidemic in Brazil, and in 1912 the most severe manifestation of the disease was observed at the seaport town of Pernambuco, in Northern Brazil, otherwise known as Recife. In this town, which has a population estimated at 210,000, there were certified, from October, 1911, to November, 1912, more than 1,200 deaths from small-pox. For the year 1911 the small-pox deaths had reached the enormous total of 2,438. Small-pox was also present during 1912 in Rio de Janeiro, where nearly 100 cases came under notice. Smaller outbreaks were also reported at Para and Sao Paulo. But these above-named places probably do not represent the whole of the localities invaded by the infection in Brazil during 1912. Later on it is expected that fuller information on the subject will be forthcoming.

*Argentina.*—So far as can be learned, the only two places in which small-pox was reported during 1912 in Argentina were Buenos Aires and Rosario, but there are reasons for believing that other towns and districts were invaded by the disease.

*Uruguay.*—Little was heard of small-pox in the Republic of Uruguay during 1912, except that a few cases occurred in the city of Montevideo.



*Peru.*—Hardly any information has reached this country as yet regarding the occurrence of small-pox during 1912 in Peru, save that the disease was present in Callao in the months of May and June, and in Mollendo in November.

*Chili.*—At the end of 1911 a severe epidemic of small-pox was raging in the inland town of Santiago, which has a population of about 400,000, and is situated ninety miles east of Valparaiso. Up to November 2,383 cases and 1,527 deaths had been registered in Santiago. Vaccination, which had been almost entirely neglected in this town, was pressed by the city authorities upon the public; but as often happens in such instances of deferring the operation till the advent of an epidemic, the supply of vaccine lymph ran short, and delay occurred while lymph was being telegraphed for from distant countries, including Germany. It is asserted that many cases of small-pox were concealed, and that at the beginning of 1912 the epidemic was still going on. No trustworthy figures as to cases and deaths during the year 1912 have as yet come to hand. Small-pox was also epidemic during 1912 in Coquimbo or La Serena, a seaport town in Chili about 200 miles north of Valparaiso, where more than 300 persons were attacked by the disease. Some cases, too, were also reported at Iquique, which is situated on the Pacific Coast in the northern part of Chili in the province of Tarapaca.

*Venezuela.*—The presence of small-pox in Venezuela during 1912 was reported at Caracas, the capital of the Republic, in the spring months, and at La Guaira in June. Information regarding the incidence of infectious disease is at all times difficult to obtain from Venezuela.

*Honduras.*—In the latter half of 1912 small-pox was prevalent in a number of localities situated along the line of the Honduras National Railway, including the terminus at Pimienta. Small-pox was also present at Portorillas, San Pedro, Santa Barbara, Tegucigalpa, and Tacapa, in the same State.

*Mexico.*—Small-pox was prevalent over a very wide area in Mexico during 1912. No doubt the movements of the federal troops and the revolutionary bands had some part in the diffusion of the disease. Among the inland towns and districts which had small-pox cases may be mentioned Aguascalientes, Chihauha, Durango, Jalapa, Juarez, Mexico city, Monterey, San Antonio, and San Carlos. Upon the Pacific Coast the following towns were invaded, viz.:—Guadalajara, Guaymas, Magdalena, Manzanillo, Mazatlan, San Geronimo, San Ignacio, San Luis, Salina Cruz, Tapachula and Tehuantepec. On the coast of the Gulf of Mexico and Caribbean Sea the ports attacked by small-pox in 1912 included Frontera, Minatitlan, Piedras Negras, Puerto Mexico or Coazacoalcos, Tampico, and Vera Cruz.

#### NORTH AMERICA.

*The United States.*—Small-pox for a number of years has been widely prevalent in a very mild form in the United States. Detailed statistics for the two first quarters of 1912 in respect of 31 States have been received, and from these returns it



appears that in the first six months of the year 14,585 cases of small-pox had been notified, and of these 134 had terminated fatally. Although the official figures for the second half of 1912 had not, at the time of writing, been published, the weekly returns given in the United States Public Health Reports, when added together, show that to mid-December about 5,498 additional cases and 38 more deaths had been certified in the 31 States, making a total up to that date of 20,083 small-pox attacks and 222 deaths for the year 1912. These figures are, of course, subject to augmentation and revision when the complete official small-pox statistics for the year are published. As regards the States contributing the greatest number of small-pox cases in 1912, it would seem that Minnesota heads the list with close upon 2,000 notifications; North Carolina had about 1,400, and Utah a little more than 1,300. It is known that small-pox was present in the other States not included in the 31 mentioned above, but no figures are available in respect of them.

Although generally the disease, as has been said, was present in a benign form, yet in certain localities it assumed greatly increased virulence, sometimes becoming of the hæmorrhagic type. In Texas, for example, of 701 notified cases 139, or nearly 20 per cent., proved fatal. In the State of California at Los Angeles and in the neighbouring city of Pasadena, a virulent type of small-pox appeared in the summer. In one family of 5 persons, comprising father, mother, and three children, all save one (the mother, the only vaccinated individual in the household) were attacked, and three of them died. In Pennsylvania there was a severe outbreak at Carbondale; and in the same state at Pittsburgh, in the autumn, about 121 cases were reported with 33 deaths. Of these cases 94 had never been vaccinated, and 64 of these had severe attacks. Of the 33 deaths 29 occurred among unvaccinated persons; in two other instances the patients were 40 and 35 years old respectively, and each had only a single ill-defined scar on the arm.

There were 68 cases of small-pox in the city of Chicago during 1912, with 7 deaths.

The incidence of small-pox in the 31 States, which furnish proper returns, was as follows for the four years 1909-1912 inclusive:—

1909	...	...	20,679 cases	132 deaths
1910	...	...	25,598 ,,	403 ,,
1911	...	...	21,768 ,,	134 ,,
1912	...	...	20,083* ,,	222* ,,

*Canada.*—The same mild type of small-pox lately prevalent in the United States has also been appearing in a number of the provinces of Canada. The province of Quebec seems to have suffered most from this comparatively non-fatal form of the disease, and in the city of Quebec over 300 cases were notified up to November; in Montreal more than 100 persons were attacked. In the province of Ontario a number of places were invaded in-

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\* Provisional figures.

cluding Toronto and Ottawa; in the last-named city about 112 persons were notified in the first half of 1912. The other Canadian provinces invaded included British Columbia, Manitoba, New Brunswick, Nova Scotia, and Yukon.

*Newfoundland.*—A few cases of non-fatal small-pox occurred at St. John's during July and August, 1912.

*West Indies.*—At Cuba, in the port of Habana, in January, a case was landed from a ship which had come from Spain via Teneriffe, and in December another ship from Barcelona, and which had touched at the Canary Islands, landed a case of small-pox at the quarantine station of San Juan, in the Island of Porto Rico. It may be remembered that small-pox was epidemic in Barcelona and also in the Island of Teneriffe, in the Canaries, during 1912.

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## PRELIMINARY STATEMENT AS TO OCCURRENCES OF PLAGUE AND CHOLERA THROUGHOUT THE WORLD DURING 1912; BY DR. R. BRUCE LOW.

### A. PLAGUE.

The great pandemic of plague which began about eighteen years ago in China, and which has since extended over the whole world, showed few signs of abatement in 1912, for the disease may be said to have manifested itself in every quarter of the globe during the year. It is intended to publish the detailed reports upon the incidence of plague during the two years 1911 and 1912 in the next Annual Report of the Board's Medical Officer. Meanwhile a short preliminary statement of the occurrences of this grave malady in one and another country will, it is thought, be useful to those who are concerned in the prevention of the spread of plague to our own land.

### ASIA.

*India.*—The weekly official preliminary statements as to plague in India give the total number of attacks in 1912 as rather more than 322,000. The aggregate of the monthly official returns of deaths from this disease shows that more than 273,000 cases terminated fatally during the year, compared with 842,000 deaths in 1911. The largest number of plague deaths occurred in the United Provinces of Agra and Oudh, in which over 101,229 fatal cases were certified in 1912. These provinces in past years have suffered greatly, no fewer than 332,301 fatal cases of plague being recorded in 1911 and 158,074 in 1910 in a population of some 48 millions. One of the other provinces which in previous years has been grievously ravaged by plague was in the Punjab, the population of which is about 24 millions; but in 1912 the deaths in the province from this cause amounted to rather less than 30,000, against 198,000 in the previous year, and 169,867 in 1910. The Presidency of Bombay, with a population of



27 millions, had, in 1912, about 32,000 deaths from plague, compared with 100,399 in 1911. The changes which took place in the area and population of the Bengal Presidency in 1912 preclude any comparisons as to plague incidence with previous years; but taking the former area, which includes the new province of Bihar and Orissa, the plague deaths in 1912 were over 45,000 in a population of 57 millions. On the other hand, with regard to the provinces which had a smaller incidence of plague, the Presidency of Madras, with more than 46 millions of inhabitants, had only about 6,500 deaths, thus maintaining the same comparative immunity from the malady which it has shown in previous years. The North-West Frontier Province had only 2 plague deaths in 1912 in its population of nearly 4 millions, and Assam, now made a new province, with a population of about 5 millions, had none at all. The chief Indian ports which suffered from plague during 1912 included Bombay (1,708 deaths), Calcutta (1,828), Karachi (1,110), Rangoon (852), Bassein (24), Moulmein (361), Mandalay (54), and Mangalore (245).

*The Straits Settlements.*—Plague appeared at Singapore in the autumn, some 50 cases being notified; and in the Federated Malay States at the town of Kuala Lumpur, the capital of Selangor, a few cases came under official observation in the spring, due probably to imported infection.

*Siam.*—There was no epidemic in Bangkok as happened in 1911, but a number of sporadic cases, amounting altogether to about 30, were notified in that city during 1912.

*Indo-China.*—Plague was epidemic in the kingdom of Annam, among other places at the port of Binh-Thuan; in Cambodge there was also a prevalence of the disease, especially in the seaport town of Pnom-Penh; in Cochinchina, particularly in the port of Cholen, and some cases, too, were notified at Saigon; in Tonkin, as well as in Laos, plague was reported to be present during 1912. In the Quang-Tcheou-Wan territory plague was epidemic, attacking more than 700 people, mostly at Fort Bayard and Tang-Hai.

*Dutch East Indies.*—In the Island of Java plague was severely epidemic in the Malang District, where up to the beginning of December about 1,900 cases and 1,150 deaths were reported. Other places affected were Kediri (258 cases), Madioean (121), Toelengagoeng (41), Soerabaya (24), and Paree (35). In one instance plague was stated to have been imported on a ship to the port of Soerabaya from Singapore.

*The Chinese Empire.*—Many districts and towns in China suffered from plague during 1912, but information as to these occurrences is difficult to obtain. One of the towns which had a severe epidemic was Hong Kong, where, up to September, about 1,850 cases with 1,729 deaths were recorded; coincidentally there was an epizootic of plague among rats. Other places affected included the port of Amoy (where more than 300 fatal cases occurred), Canton, Chao-Chowfu, Pakhoi, Swatow, Chefu, Tientsin, and Wen Chang (on the Island of Hai-Nan). At Shanghai the local rats were infected by plague, but no human cases were notified.

*Japan.*—Some imported plague cases were reported in Japan during 1912, but there was no epidemic. To Kobe and Nagasaki plague infection was brought on ships from Hong Kong. In Formosa over 200 cases came under notice, chiefly in the Kagi prefecture.

*Persia.*—In April, 1912, a few cases of plague occurred at Borasjun, and at Ahmeds, half-way between Borasjun and Bushire. There was an outbreak at the Persian seaport town of Bushire (or Abu-Shehr, as it is sometimes called) in the first half of 1912, over 1,700 cases being reported. The Russian Consul at Meshed telegraphed to his Government in October that plague had broken out at Turbat-i-Shaikh-Jami, and a later account stated that at least 100 persons had died from the disease. In November plague was said to be present in the north-eastern part of the province of Khorassan.

*Asiatic Russia.*—Plague appeared in November in the Russian Trans-Caspian province in the vicinity of Merv, where some 32 persons succumbed to the disease. In the Transbaikal province, in the settlement of Verkneodinsk, and in the village of Borzinski during October and November, some plague cases were notified after bacteriological confirmation.

*Afghanistan.*—A report from a Russian source in November, 1912, stated that plague was prevalent in Herat, but no details have so far been given.

*Arabia.*—In the first four months of 1912 plague was present in Jeddah, and more than 20 deaths were registered from this cause. Several shipborne cases were landed at Aden during the year, their origin mostly being from Bombay. At Muscat, in the Sultanate of Oman, plague was reported in June. At the port of Basra, at the head of the Persian Gulf, a fatal case was reported in February on the s.s. *Nicomedia*, which had touched at Bushire. At the lazaretto at Basra plague was landed on several occasions from other ships, making a total of eleven ship-borne cases in the year out of 18 notified attacks at Basra.

*Asia Minor.*—Several cases of plague were reported at Adalia, a seaport town in the vilayet of Konia, on the shores of the Mediterranean, and at Alexandretta, in the vilayet of Aleppo, where a few fatal cases also occurred.

#### AFRICA.

*Egypt.*—During 1912, 884 cases and 441 deaths from plague were certified in Egypt, as against 1,656 attacks and 1,041 deaths in 1911. Of the total cases in 1912, 33 were referred to Alexandria, 12 to Port Said, and only 5 to Cairo. Fourteen provinces were affected during the year, the largest number of attacks occurring in Minieh, Keneh, Assiout, and Fayoum. The cases in Upper Egypt were largely of the pneumonic type, and very fatal.

*Algeria.*—In a village near Algiers a group of 7 fatal cases of plague of the pneumonic form appeared in July, 1912, no con-



current infection being found among the local rats. The origin of this outbreak is uncertain.

*Morocco.*—Plague was widely diffused over a wide area in Morocco during 1912, more particularly in the province of Dukala, and outbreaks were also reported at Saffi, Culad Dlim, and Hummar. At Casa Blanca the disease also appeared among the troops forming the garrison, as well as at Rabat.

*The Canary Islands.*—Plague is stated to have been prevalent during 1912 in the Canary Islands, a Spanish possession lying off the West Coast of Africa; the existence of the disease had been, it is alleged, concealed for some time. The Island of Teneriffe, on which is situated Santa Cruz, the capital of the Canaries, is said to have been affected, but no official information has been forthcoming on the subject.

*The Azores, or Western Islands.*—This Portuguese group of islands, which lies some 800 miles away from the mainland of Africa, was invaded by plague in 1912, some 34 cases being reported in the islands of Fayal and Terceira, mostly in the districts of Praia da Victoria and Angra de Heroismo in the latter island.

*Senegal.*—The presence of plague in the French Colony of Senegal was reported, during May, 1912, at Ziguinchor, on the Casamanca River, 40 kilometres from the town of Sedhiou.

*South Africa.*—In Natal, at Durban, during February, 1912, plague occurred, imported, it is believed, from Mauritius, about 33 cases being notified. There was at the same time infection of the local rats. Some cases also appeared in the districts in the neighbourhood of Durban.

*Mauritius.*—During 1912 plague was again epidemic in Mauritius, about 560 cases being notified, the large proportion of them being observed at Port Louis, the capital of the Colony. Coincidentally there was an epizootic of plague among the rats in Port Louis and elsewhere; mice and musk rats also suffered.

*Zanzibar.*—During September, 1912, several cases of plague were reported in Zanzibar, but there was no epidemic.

*Portuguese East Africa.*—Plague was reported to be present in Portuguese East Africa at Mahori during May, but no details have been published regarding this prevalence.

*German East Africa.*—In March, 1912, plague broke out at Gasseni and at Usseri Demassi, in the Massai country, near the borders of the English territory, but details as to this are not yet to hand, except that within the period of a month 69 fatal cases were certified.

*British East Africa.*—Plague of a virulent kind appeared during the year at Kisumu, Nairobi, Kiamba, and Mombassa, in British East Africa, all the cases proving fatal. Particulars of the number of these attacks have not yet been received. It is well known that in parts of Africa, including Uganda, and German East Africa, plague is endemic in certain places, and that cases occur, many of which are never brought to the notice of the European officials.

## EUROPE.

*Russia.*—The chief manifestations of plague in Russia were in the Kirghiz Steppes, in the Government of Astrachan, and in the adjacent Government of Uralsk, just over the Asiatic border. This region, which lies between the rivers Volga and Ural, has for some time been a recognised endemic area of plague. It is reported that the disease from time to time shows itself in the pneumonic form in the Kirghiz Steppes among the nomadic population, and that every year a number of persons fall victims to the infection. In November an outbreak of bubonic plague occurred in the territory of the Don Cossacks, at Popov, in the Esaulov Stanitza. This district is about 120 versts from the endemic area in the Government of Astrachan.

A single plague-infected rat was discovered in September at the port of Kherson, on the Black Sea, upon a ship which had arrived from Odessa, where, however, plague was not known to exist at the time; though it may be mentioned that a man in February was admitted to hospital in Odessa suffering from plague, the result apparently of a bite from a polecat, which, upon subsequent examination, was found to be infected by plague.

*Austria.*—Two cases occurred in July at the port of Triest on a ship which had come from Alexandria. The patients were landed at the port hospital, where both of them died. There was no subsequent spread of the disease from these two cases.

*Germany.*—Two members of the crew of a British vessel recently arrived at the port of Hamburg from Rosario, on the River Plate, were found in September to be suffering from plague, and were taken ashore to the port isolation hospital. Three days later the vessel left Hamburg for the River Tyne port, and on arrival there a third member of the crew was discovered to be ill of plague (*see* below). Two out of the three persons attacked on this ship succumbed to the disease.

*Great Britain.*—In May a single case of plague was landed at Liverpool from a vessel that had come from Mediterranean ports; and in July a child admitted to the Liverpool Infirmary was found to be ill of plague. The origin of this last case was obscure.

Although some thousands of rats were examined only three infected rats were detected in Liverpool during 1912, after search had been made, one being picked up in April on board the vessel just mentioned, while the other two were discovered in two separate warehouses.

As stated above, a case of plague was landed at the Tyne Port Hospital in September from the same ship on which two cases of plague had already been landed while in the River Elbe. All three patients were apprentices, and plague-infected rats were discovered on the vessel on its arrival in the River Tyne.

## SOUTH AMERICA.

*Brazil.*—Plague continued in 1912, as in past years, to appear in Brazil, cases being reported in Para, Pernambuco, Nictheroy, Bahia, Rio de Janeiro, Santa Maria da Bocco de Monte, and Sao-Gabriel, in nearly all of which places the disease has been preva-



lent in previous years. Details of these occurrences in 1912 are not yet to hand.

*Argentina.*—At Buenos Aires a curious group of 11 cases of plague occurred in the cancer section of the General Hospital, no other cases being detected in the town outside that institution. So far as can be ascertained, the origin of this peculiar outbreak has not yet been traced. Early in January, 1913, the occurrence of suspected plague at Rosario was announced. It is more than probable that cases, both in rat and man, have been occurring in Rosaria in the later months of 1912, though not officially announced.

*Uruguay.*—Fifteen deaths from plague were reported at Santa Maria, on the Atlantic coast of Uruguay, during August, but particulars of these cases have not as yet been forthcoming.

*Paraguay.*—In Asuncion plague broke out in July in one of the poorest parts of the town, but the fact, as on previous occasions, was concealed by the authorities as long as it was possible to do so. No details concerning the cases have been obtained up to the present.

*Peru.*—Plague was widely diffused throughout Peru during 1912, the following 9 provinces being affected, viz.:—Piura, Cajamarca, Ancachs, Arequipa, Callao, Lima, Lambayeque, La Libertad, and Ica, the largest number of cases being notified in Piura and La Libertad departments.

*Chili.*—The chief places affected by plague in Chili, during 1912, were the seaport towns of Iquique, Pisagua, Autofagasta, and Taltal, in all of which the disease is said now to have become endemic. Precise details of these occurrences have not yet come to hand.

*Ecuador.*—Plague was epidemic in Ecuador principally at Guayaquil, the chief port of the Republic, about 600 cases being notified, with about 250 deaths; cases were also reported at Duran. The port of Guayaquil has now become notorious as a distributor of the infection of plague and yellow fever to other places on the Pacific coast. After much negotiation an agreement has been arrived at whereby experts from the United States are taking in hand measures for improving the sanitary circumstances and administration of this port.

*Venezuela.*—Cases of plague occurred in 1912 at the seaport town of La Guaira and at Caracas, the capital of the State, where the disease is stated to have now become endemic, appearing annually about the month of November—that is, at the time when the local climatic conditions appear to be most favourable for the dissemination of the infection.

#### THE WEST INDIES.

*Trinidad.*—Between April and July, 1912, thirteen cases of plague were diagnosed in Port of Spain, and nine of them terminated fatally. It is believed that the infection was brought to Trinidad from Venezuela, which is quite near at hand, the Island of Trinidad lying only a few miles from the coast of Venezuela.

*Grenada*.—A single imported case of plague was registered in the Island of Grenada in the month of May, its source of origin being traced to infection contracted at Trinidad.

*Porto Rico*.—An outbreak of plague was reported in Porto Rico in June, 1912, in the capital, San Juan; altogether some 56 cases were notified with 36 deaths. Two cases occurred at Carolina (a town 13 miles away), 1 at Dorado, 1 at Loiza, and 1 at Arroyo, on board a small coasting vessel. The infection in each of these instances had come from San Juan. Infection of rats was detected at San Juan, also at Carolina, Caguas (18 miles distant), and at Aricebo (40 miles from San Juan). The last human plague case was reported on September 11th, and the last infected rat was picked up at Caguas during the week ended December 14th—an interval of some six weeks having elapsed since an infected rat had previously been detected.

*Cuba*.—Four cases of plague were discovered in Habana early in July, 1912. Not long before this occurrence an unusual number of dead rats had been found in three blocks of buildings, mostly used as wholesale stores for foodstuffs, close to the wharves along the water front, but none of the many rats subsequently examined yielded any evidence of plague.

#### NORTH AMERICA.

Although no human plague cases were reported in the United States, the disease was nevertheless present among animals. Search was made for infected rats at the United States ports on the Atlantic Coast and in the Gulf of Mexico as soon as the presence of plague at Porto Rico and at Cuba had been announced, both of these West Indian islands being under the jurisdiction of the United States; but only a single plague-infected rat was found, at New Orleans. The chief source of animal plague infection, however, was among the ground squirrels in California, in which State for some years past a number of counties have been notoriously infested by these animals; many of the ground squirrels when examined were discovered to be suffering from plague in some of the counties, including Contra Costa and Alameda. On several occasions plague has been caused in persons who had been incautiously handling dead or dying ground squirrels, but no such occurrence was noted during 1912, notwithstanding that some hundreds of infected animals were detected by laboratory examination. As rat-fleas and those of the ground squirrel are interchangeable, the existence of plague in the latter animal is liable to give rise near towns to a rat epizootic of plague, which in turn may occasion a human epidemic.

#### OCEANIA.

*New Caledonia*.—Beginning in September and continuing up to November, 1912, a limited plague outbreak comprising some 34 cases occurred at Noumea, sometimes called Port of France, the capital of New Caledonia. Some infected rats were also found. It is now some years since a previous outbreak of plague was reported in New Caledonia.



*Hawaiian Islands.*—At Honokaa, Papeekee, and Kukuihaele sporadic cases of human plague were notified in the Hawaiian Islands, and infected rats were also found in several places.

*Philippine Islands.*—Plague was brought on shipboard on two occasions to Manila from Hong Kong in April, 1912, but did not spread at the time. A third importation was reported, also in April, from Amoy. In October a large number of rats were found dead, or in a dying state, in freight warehouses, and three weeks later some human plague cases were notified; up to the end of November about 32 persons had been attacked by the disease. In Iloilo, a seaport town in the Philippines, another group of plague cases occurred in the autumn, nine deaths being recorded from the disease. With the exception of a few scattered cases detected upon incoming ships at the Manila quarantine station, there has been no plague outbreak in the Philippine Islands since April, 1906—that is, for about six years—until the occurrences in 1912 mentioned above.

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## B. CHOLERA.

Although the usual report upon the manifestations of cholera throughout the world in 1912 will appear in the next annual report of the Board's Medical Officer, it was thought advisable to issue now a short preliminary statement as to occurrences of the disease during 1912. Where figures are given respecting cases or deaths, they are to be regarded as provisional only, and as being subject to revision when the official reports are issued in due course.

## ASIA.

*India.*—Complete returns for 1912 have not yet been received in respect of each of the Indian provinces,\* but so far as can be ascertained the cholera deaths in India during the year were more than 350,000 against about 360,000 in 1911. The provinces which suffered most were Bengal (now reconstituted and altered) with more than 75,000 deaths up to the end of October; Bihar and Orissa (the new province formed out of the old province of Bengal), 69,000 to the end of August; the Madras Presidency to December, over 61,000; and the Bombay Presidency, 62,000 deaths up to the end of October. In some of the great cities of India cholera was epidemic. In Bombay, for example, about 2,300 cases were notified, of which nearly 1,800 proved fatal; and in Calcutta more than 2,100 cholera deaths were certified. Prevalences of cholera were also reported at the ports of Bassein (about 300 cases), Rangoon (about 200), Madras (close upon 400 fatal cases), Karachi (160 deaths), Moulmein (70 deaths), and Negapatam (70 fatal cases).

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\* No figures at the time of writing were available for Central India, Mysore, Hyderabad, Rajputana and Ajmer-Merwara, Kashmir, Baluchistan and Coorg these provinces and states having a combined population of over 43 millions.

*The French Settlements in India.*—Cholera cases were reported at the French settlements of Pondicherry and Karikal on the Coromandel Coast, and at Chandernagar on the Hugli River, 21 miles by rail north of Calcutta.

*Ceylon.*—A few imported cases of cholera were observed at the port of Colombo, but there was no epidemic.

*Straits Settlements.*—More than 120 cases were notified in Singapore during 1912; and in the province of Kelantan, at Kuala Semarak about 50 cases came under observation.

*Siam.*—A somewhat severe outbreak of cholera occurred in the city of Bangkok where over 1,900 fatal cases were registered. Occurrences of cholera were also observed in the Siamese towns situated on the banks of the Mekong River.

*French Indo-China.*—Cholera was prevalent over a wide area in Indo-China, including the kingdom of Annam, where up to the end of September more than 2,800 cases and nearly 2,000 deaths had been reported. In Cambodia about 5,500 persons are known to have been attacked and of these over 4,700 died. In Cochinchina a large number of localities were affected by the disease and in the first nine months of the year 3,586 cases and 2,603 deaths were registered, including a severe outbreak at Cholon in which 1,125 attacks were noted; at Saigon, the capital of Cochinchina some 156 cases occurred. In Laos there were over 800 cases in the same period, 677 of them proving fatal. Lastly, in Tonkin some cholera cases were reported in the early part of 1912, but in no great amount.

In the Quang-Tcheou-Wan territory more than 300 cases occurred, 269 of which had a fatal termination.

*The Dutch East Indies.*—The malady was very prevalent in the Island of Java, particularly in the seaports of Batavia, Soerabaya, Samarang and Passaroean, and in the interior in the Madioean district. Cholera was also epidemic in the Island of Sumatra, especially in the district of Djambi in the province of Palembang; also in the Island of Celebes in the towns of Macassar and Bonthain during part of the year. In the Island of Borneo cholera began to appear in October at the port of Pontianak on the west of the Island, and seemed likely at the time to spread.

*The Philippine Islands.*—Although there was no epidemic, it may be mentioned that a chronic cholera "carrier" in the person of a Chinaman was landed at the Manila quarantine station in June, cholera vibrios being found persisting in his stools. He had come to Manila on a ship from an infected Chinese port.

*China.*—Cholera was widely prevalent in some of the Chinese provinces, many seaport towns and the districts around them being affected. Among the ports in which the disease appeared were Amoy, Hankow, Hoihow, Hong Kong, Nankin (where cases occurred among the troops), Shanghai, and Swatow. In Manchuria at the port of Dalney (or Dairen) some imported cases, said to have come from Shanghai, were observed. There was probably far more cholera in China during 1912 than the above list would seem to indicate.



*Japan.*—There was a wide prevalence of cholera in Japan during 1912. Up to the beginning of December, so far as can be learned, about 2,647 cases had been notified. In the Fukuoka prefecture there was a sharp outbreak during September and October with more than 700 cases. At the port of Moji there was an epidemic, the infection having been brought from Shanghai on shipboard in August. At the port of Yokohama there was an outbreak, the result also of shipborne infection. To the port of Nagasaki, too, cholera infection was conveyed on a ship from Shanghai, cases also occurring in the surrounding districts. Tokio, Osaka and Kobe likewise were invaded by the disease as well as a number of other prefectures and towns. In Formosa, from June to November, about 260 cases and 174 deaths were reported, mostly in the Tamsui district.

*Korea.*—Cholera broke out in September, 1912, at Seoul and also at Chemulpo, the infection having come from Japan. The disease was likewise present in the Tschangujou district of the province of Hoanghai-to in September.

#### THE NEAR EAST.

*Persia.*—In October cholera was reported at Ahwaz and Nasserî, the former of which is situated on the Karun River which flows into the Shatt-ul-Arab.

*Turkey in Asia.*—The disease was prevalent over almost the whole of Turkey in Asia during 1912, especially in the Hedjaz and Asia Minor. The following vilayets were affected, viz.:—Beyrout, Damascus, Syria, Aleppo, Adana, Konia, Khodavendikar, Kastamouni, Angora, Sivas, Mamouret-ul-Aziz, Diarbekir, Bitlis, and Bagdad. Among the ports involved on the shores of the Mediterranean were Smyrna, Adalia, Adana, Mersina, Alexandretta, Lampsaki, Latakia, and Beirut; on the Sea of Marmora, Brussa and Ismid; on the coast of the Black Sea, Ineboli, Eregli, Kili, Sinope, Trebizond, Samsoun, and Zonguldak. In the Hedjaz cholera appeared in Mecca in a virulent form, and from the end of September to the middle of December more than 6,000 lives had been sacrificed to the disease. The height of the mortality was reached in the third week of November, about the time of the culmination of the religious ceremonies; and no fewer than 1,758 persons died from cholera in Mecca within the short period of five days. From Mecca cholera was carried northwards early in October by pilgrim caravans to Medina. From Medina pilgrims carried the infection with them northwards along the line of the Hedjaz Railway, about 50 cases being detained for treatment at the lazaret of Zebuk, situated about midway between Medina and Damascus. In the Hedjaz port of Jeddah cholera was present during November and December, 1912, causing some 400 deaths. Cholera was reported in January, 1912, at the Red Sea port of Hodeidah in the province of Yemen; and in December at Confudah, a port midway between Jeddah and Hodeidah.

#### EUROPE.

*Turkey.*—In Constantinople cholera was epidemic from May to December, 1911, when more than 2,600 cases were reported.

and this prevalence was continued in the early months of 1912, when it disappeared. After an interval of some months, the disease reappeared in Constantinople during November, the infection being re-imported, apparently, by Turkish troops coming from affected districts in Asia Minor and Arabia to the seat of war in Thrace. Many of the persons attacked in the city, in addition to soldiers, were refugee peasants from Thrace and Macedonia flying before the advance of the Bulgarians. Up to the end of December, 2,342 cases were notified in Constantinople with 1,143 deaths; but this is believed to be far below the actual number. In the fortified lines of Tchatalja, a short distance from Constantinople, cholera attacked both soldiers and refugees, and although no official figures have as yet been published, a correspondent of a London newspaper estimated the fatal cases at about 17,000. Towards the end of December the epidemic around Constantinople seemed to be subsiding. The infection was also carried by troops to Salonica in November. It may be mentioned that as the result of the appearance of cholera in Epirus during 1911, cases continued to be notified in the early part of 1912, but shortly afterwards the disease subsided. Cases occurred early in 1912 among the Turkish troops forming the garrison of Janina.

*Bulgaria.*—In the vicinity of the Tchatalja lines where Turks and Bulgars came into contact, the cholera infection was contracted by some of the Bulgarian soldiers, and some of the wounded men transferred to Sofia were found, on arrival, to be suffering from cholera; a group of 18 cases also occurred at Shumla, a Bulgarian town 60 miles south-east of Rustchuk on the Danube.

*Russia.*—Although cholera had been epidemic in Russia during the four years 1908 to 1911, only four cases were officially reported in European Russia during 1912, all of them in Astrachan on the Volga. But it may be mentioned that a few suspected cases, apparently unconfirmed, were heard of in the Governments of Pensa, Kherson and Vitebsk during the year. In November two cases were reported at the port of Odessa on a British ship that had arrived from Constantinople, and early in January, 1913, cholera was showing signs of spreading in that seaport town.

*Hungary.*—A single fatal cholera case of unknown origin, bacteriologically confirmed, was notified at Mindszend in the county of Csongrad, to the north of Budapest.

*Italy.*—Cholera was severely epidemic in Italy during 1911, but on the Italian mainland during 1912 there was no recrudescence of the disease. In the island of Sardinia, on its south coast, cholera reappeared at the city of Cagliari in August, and up to November had attacked about 80 persons. So far as is known there was no other outbreak of cholera in Italy during 1912.

*Spain.*—The *New York Medical Record* of May 18th reported that suspected cases of cholera had occurred in Barcelona during



a spell of hot weather. The disease had been present in the town and its vicinity in the previous year; but no official confirmation of the 1912 outbreak has as yet been received.

#### AFRICA.

*Egypt.*—A case of cholera was detected by bacteriological examination in October, 1912, at Alexandria, on board a ship which had arrived from Alexandretta (Iskanderoun) in the vilayet of Aleppo, Asia Minor, where the disease was prevalent at the time; there were, however, no subsequent cases. A statement was made in the *Journal de St. Petersbourg* of December 8th, 1912, that some cases of cholera had been reported at Cairo among Musulmans who had arrived from Russia, but no official confirmation of this statement has been forthcoming.

*Zanzibar.*—In August, cholera appeared in the native jail at Zanzibar, the introduction of the infection, in the first instance, being attributed to some Indian prisoner. Later, cases occurred outside the jail in the town, and afterwards in other parts of the island in Mwera, Chwaka and Mokotoni. Up to December, 763 cases and 732 deaths were officially certified. Some share in the spread of the infection was attributed to concealed cases.

*German East Africa.*—From Zanzibar, in October, cholera was carried on a German steamer to Dar-es-Salaam, the chief port in German East Africa, but it did not become epidemic.

*Tunisia.*—Cholera had been severely epidemic in Tunisia in the latter half of 1911, and during January, 1912, some cases were also reported in three of the previously affected districts, the last remains, evidently, of the subsiding epidemic of the previous year.

## Statistics of Infectious Diseases

	Population (1911 Census).	Small-pox.		Typhus Fever.		Scarlet Fever.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
ENGLAND AND WALES ...	36,070,492	111	0·00	31	0·00	107,477	2·98
ENGLAND ... ..	33,649,571	110	0·00	31	0·00	99,373	2·95
WALES (INCLUDING MONMOUTHSHIRE).	2,420,921	1	0·00	—	—	8,104	3·35
LONDON ... ..	4,521,685	4	0·00	3	0·00	11,328	2·51
ADMINISTRATIVE COUNTIES (ENGLAND AND WALES) EXCLUDING LONDON.	20,332,684	30	0·00	10	0·00	57,367	2·82
Bedfordshire ... ..	194,588	—	—	—	—	431	2·22
Berkshire ... ..	193,101	—	—	—	—	296	1·53
Buckinghamshire ... ..	219,551	—	—	—	—	462	2·10
Cambridgeshire ... ..	128,322	—	—	—	—	909	7·08
Isle of Ely ... ..	69,752	—	—	—	—	146	2·09
Cheshire ... ..	676,275	3	0·00	—	—	1,762	2·61
Cornwall ... ..	328,098	—	—	—	—	267	0·81
Cumberland ... ..	265,746	1	0·00	9	0·03	813	3·06
Derbyshire ... ..	560,013	—	—	—	—	2,180	3·89
10-Devonshire ... ..	457,331	1	0·00	—	—	738	1·61
Dorsetshire ... ..	223,266	1	0·00	—	—	359	1·61
Durham ... ..	929,214	4	0·00	—	—	5,651	6·08
Essex ... ..	1,061,851	1	0·00	—	—	2,495	2·35
Gloucestershire ... ..	329,014	—	—	—	—	763	2·32
Herefordshire ... ..	114,269	6	0·05	—	—	310	2·71
Hertfordshire ... ..	311,284	—	—	—	—	501	1·61
Huntingdonshire ... ..	55,577	—	—	—	—	62	1·12
Kent .. ...	1,020,965	3	0·00	—	—	3,087	3·02
Lancashire ... ..	1,738,485	1	0·00	—	—	4,828	2·80
20-Leicestershire ... ..	249,331	—	—	—	—	901	3·61
Lincolnshire—Holland ...	82,849	—	—	—	—	148	1·79
„ Kesteven ... ..	111,324	—	—	—	—	189	1·70
„ Lindsey ... ..	237,843	—	—	—	—	400	1·68
Middlesex ... ..	1,126,465	1	0·00	—	—	2,965	2·63
Norfolk ... ..	321,733	—	—	—	—	628	1·95
Northamptonshire ... ..	213,733	—	—	—	—	837	3·92
Soke of Peterborough ...	44,718	—	—	—	—	71	1·59
Northumberland ... ..	371,474	—	—	—	—	1,815	4·89
Nottinghamshire ... ..	344,194	1	0·00	—	—	979	2·84
30-Oxfordshire ... ..	136,436	—	—	—	—	313	2·33
Rutlandshire ... ..	20,346	—	—	—	—	36	1·77
Shropshire ... ..	246,307	—	—	—	—	396	1·61
Somersetshire ... ..	388,852	—	—	—	—	356	0·92
Southampton ... ..	433,566	1	0·00	—	—	723	1·67
Isle of Wight ... ..	88,186	—	—	—	—	89	1·01
Staffordshire ... ..	670,380	—	—	—	—	1,554	2·32
Suffolk—East ... ..	203,223	—	—	—	—	589	2·90
„ West ... ..	116,905	—	—	—	—	194	1·66
Surrey ... ..	676,027	1	0·00	—	—	1,219	1·80
40-Sussex—East ... ..	242,146	—	—	—	—	458	1·89
„ West ... ..	176,308	—	—	—	—	281	1·59
Warwickshire ... ..	300,867	—	—	—	—	1,304	4·33
Westmorland ... ..	63,575	—	—	—	—	176	2·77
Wiltshire ... ..	286,822	—	—	—	—	683	2·38
Worcestershire ... ..	288,627	—	—	—	—	708	2·46
Yorkshire—East Riding ...	154,768	—	—	—	—	209	1·35
„ North Riding ... ..	314,779	1	0·00	—	—	1,278	4·06
„ West Riding ... ..	1,584,880	3	0·00	1	0·00	5,296	3·34
AGGREGATE OF ENGLISH ADMINISTRATIVE COUNTIES.	18,373,366	29	0·00	10	0·00	50,860	2·77
Anglesey ... ..	50,928	—	—	—	—	81	1·59
50-Brecknockshire ... ..	59,287	—	—	—	—	138	2·33
Cardiganshire ... ..	59,879	—	—	—	—	151	2·52
Carmarthenshire ... ..	160,406	1	0·01	—	—	300	1·87
Carnarvonshire ... ..	125,043	—	—	—	—	260	2·08
Denbighshire ... ..	144,783	—	—	—	—	344	2·38
Flintshire ... ..	92,705	—	—	—	—	278	3·00
Glamorganshire ... ..	742,998	—	—	—	—	3,391	4·56
Merionethshire ... ..	45,565	—	—	—	—	141	3·09
Monmouthshire ... ..	312,028	—	—	—	—	1,257	4·03
Montgomeryshire ... ..	53,146	—	—	—	—	45	0·85
60-Pembrokeshire ... ..	89,960	—	—	—	—	78	0·87
Radnorshire ... ..	22,590	—	—	—	—	43	1·90
AGGREGATE OF WELSH ADMINISTRATIVE COUN- TIES (INCLUDING MON- MOUTHSHIRE).	1,959,318	1	0·00	—	—	6,507	3·32

The figures in this table do not include the cases of infectious



# I. in Administrative Counties.

Diphtheria.		Enteric Fever.		Continued Fever.		Puerperal Fever.		Erysipelas.	
Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
44,687	1·24	8,262	0·23	97	0·00	2,184	0·06	22,865	0·63
41,616	1·24	7,752	0·23	92	0·00	2,024	0·06	21,740	0·64
3,071	1·27	510	0·21	5	0·00	160	0·07	1,125	0·46
7,109	1·57	701	0·16	8	—	383	0·08	4,137	0·91
22,575	1·11	4,439	0·22	46	0·00	1,017	0·05	10,451	0·51
170	0·87	20	0·10	—	—	12	0·06	94	0·48
163	0·84	20	0·10	—	—	13	0·07	69	0·36
142	0·65	26	0·12	—	—	5	0·02	117	0·53
340	2·65	18	0·14	—	—	10	0·08	74	0·58
68	0·97	18	0·26	—	—	2	0·03	65	0·93
782	1·16	146	0·22	1	0·00	27	0·04	331	0·49
347	1·06	42	0·13	—	—	9	0·03	128	0·39
215	0·81	20	0·08	—	—	12	0·05	211	0·79
614	1·10	109	0·19	—	—	51	0·09	276	0·49
473	1·03	72	0·16	2	0·00	18	0·04	119	0·26-10
267	1·20	38	0·17	—	—	12	0·05	61	0·27
1,248	1·34	354	0·38	8	0·01	28	0·03	596	0·64
1,166	1·10	177	0·17	2	0·00	71	0·07	756	0·71
403	1·22	29	0·09	—	—	11	0·03	150	0·46
153	1·34	3	0·03	—	—	7	0·06	68	0·60
302	0·97	35	0·11	—	—	12	0·04	131	0·42
27	0·49	10	0·18	—	—	3	0·05	22	0·40
1,983	1·95	349	0·34	1	0·00	36	0·04	481	0·47
1,390	0·81	630	0·37	10	0·01	126	0·07	1,042	0·60
290	1·16	66	0·26	1	0·00	4	0·02	169	0·68-20
99	1·19	17	0·21	2	0·02	4	0·05	30	0·36
155	1·39	14	0·13	—	—	3	0·03	45	0·40
209	0·88	48	0·20	—	—	11	0·05	90	0·38
1,474	1·31	121	0·11	1	0·00	66	0·06	665	0·59
288	0·90	96	0·30	2	0·01	9	0·03	108	0·34
255	1·19	31	0·15	—	—	8	0·04	110	0·51
79	1·77	1	0·02	—	—	1	0·02	13	0·29
545	1·47	132	0·36	6	0·02	14	0·04	203	0·55
371	1·08	117	0·34	—	—	22	0·06	231	0·67
78	0·57	6	0·04	—	—	6	0·04	67	0·49-30
10	0·49	3	0·15	—	—	—	—	10	0·49
183	0·74	10	0·04	—	—	15	0·06	78	0·32
450	1·16	28	0·07	—	—	15	0·04	156	0·40
503	1·16	148	0·34	—	—	13	0·03	137	0·32
145	1·64	20	0·23	—	—	2	0·02	31	0·35
479	0·71	145	0·22	—	—	49	0·07	346	0·52
214	1·05	23	0·11	—	—	10	0·05	83	0·41
38	0·33	7	0·06	—	—	3	0·03	43	0·37
828	1·22	95	0·14	—	—	43	0·06	351	0·52
247	1·02	22	0·09	—	—	12	0·05	81	0·33-40
178	1·01	25	0·14	—	—	4	0·02	55	0·31
170	0·57	17	0·06	—	—	8	0·03	170	0·57
108	1·70	2	0·03	—	—	—	—	33	0·52
264	0·92	13	0·05	—	—	14	0·05	112	0·39
240	0·83	30	0·10	—	—	10	0·03	164	0·57
243	1·57	33	0·21	—	—	1	0·01	88	0·57
544	1·73	131	0·42	3	0·01	4	0·01	149	0·47
1,410	0·89	526	0·33	4	0·00	68	0·04	968	0·61
20,355	1·10	4,043	0·22	43	0·00	884	0·05	9,577	0·53
53	1·04	1	0·02	—	—	1	0·02	6	0·12
61	1·03	5	0·08	—	—	3	0·05	27	0·46-50
80	1·34	7	0·12	—	—	4	0·07	15	0·25
265	1·65	23	0·14	1	0·01	19	0·12	67	0·42
170	1·36	14	0·11	—	—	2	0·02	48	0·38
119	0·82	16	0·11	—	—	7	0·05	43	0·30
143	1·54	10	0·11	—	—	4	0·04	41	0·44
813	1·09	188	0·25	2	0·00	62	0·08	328	0·44
62	1·36	3	0·07	—	—	—	—	30	0·66
284	0·91	99	0·32	—	—	25	0·08	216	0·69
34	0·64	3	0·06	—	—	3	0·06	24	0·45
120	1·33	26	0·29	—	—	3	0·03	20	0·22-60
16	0·71	1	0·04	—	—	—	—	9	0·40
2,220	1·13	396	0·20	3	0·00	133	0·07	874	0·45

disease notified in ports, for particulars of which see page 5.

## Statistics of Infectious

	Population (1911 Census).	Small-pox.		Typhus Fever.		Scarlet Fever.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
AGGREGATE OF 75 COUNTY BOROUGHES.	11,216,123	77	0·01	18	0·00	38,782	3·46
Barrow-in-Furness .. ..	63,770	—	—	—	—	255	4·00
Bath, City of .. ..	69,173	—	—	—	—	176	2·54
Birkenhead .. ..	130,794	—	—	—	—	791	6·05
Birmingham, City of .. ..	840,202	—	—	—	—	5,922	7·05
Blackburn .. ..	133,052	—	—	—	—	115	0·86
Blackpool .. ..	58,371	—	—	—	—	88	1·51
Bolton .. ..	180,851	—	—	—	—	311	1·72
Bootle .. ..	69,876	—	—	—	—	190	2·72
Bournemouth .. ..	78,674	—	—	—	—	229	2·91
10-Bradford, City of .. ..	288,458	2	0·01	—	—	645	2·24
Brighton .. ..	131,237	—	—	—	—	624	4·75
Bristol, City of .. ..	357,048	60	0·17	—	—	567	1·59
Burnley .. ..	106,765	—	—	3	0·03	116	1·09
Burton-upon-Trent .. ..	48,266	—	—	—	—	282	5·84
Bury .. ..	59,040	—	—	—	—	138	2·34
Canterbury, City of .. ..	24,626	—	—	—	—	45	1·83
Chester, City of .. ..	39,028	—	—	—	—	43	1·10
Coventry, City of .. ..	106,349	—	—	—	—	681	6·40
Croydon .. ..	169,551	—	—	—	—	471	2·78
20-Derby .. ..	123,410	—	—	—	—	194	1·57
Devonport .. ..	81,678	—	—	—	—	179	2·19
Dudley .. ..	51,079	—	—	—	—	43	0·84
Eastbourne .. ..	52,542	—	—	—	—	449	8·55
Exeter, City of .. ..	48,664	—	—	—	—	394	8·10
Gateshead .. ..	116,917	—	—	—	—	310	2·65
Gloucester, City of .. ..	50,035	—	—	—	—	221	4·42
Great Yarmouth .. ..	55,905	—	—	—	—	105	1·88
Grimsby .. ..	74,659	—	—	—	—	190	2·54
Halifax .. ..	101,553	—	—	—	—	179	1·76
30-Hastings .. ..	61,145	—	—	—	—	70	1·14
Huddersfield .. ..	107,821	1	0·01	—	—	705	6·54
Ipswich .. ..	73,932	—	—	—	—	115	1·56
Kingston-upon-Hull, City of .. ..	277,991	—	—	—	—	322	1·16
Leeds, City of .. ..	445,550	—	—	—	—	1,224	2·75
Leicester .. ..	227,222	—	—	—	—	1,277	5·62
Lincoln, City of .. ..	57,285	—	—	—	—	95	1·66
Liverpool, City of .. ..	746,421	2	0·00	6	0·01	2,833	3·80
Manchester, City of .. ..	714,333	1	0·00	—	—	2,088	2·92
Middlesbrough .. ..	104,767	—	—	—	—	535	5·11
40-Newcastle-upon-Tyne, City of .. ..	266,603	—	—	—	—	1,181	4·43
Northampton .. ..	90,064	—	—	—	—	2,791	3·10
Norwich, City of .. ..	121,478	—	—	—	—	415	3·42
Nottingham, City of .. ..	259,904	4	0·02	—	—	1,119	4·31
Oldham .. ..	147,483	—	—	—	—	361	2·45
Oxford, City of .. ..	53,048	—	—	—	—	56	1·06
Plymouth .. ..	112,030	—	—	—	—	162	1·45
Portsmouth .. ..	231,141	—	—	—	—	1,385	5·99
Preston .. ..	117,088	—	—	1	0·01	591	5·05
Reading .. ..	87,693	—	—	—	—	88	1·00
50-Rochdale .. ..	91,428	—	—	—	—	450	4·92
Rotherham .. ..	62,483	—	—	—	—	269	4·31
St. Helen's .. ..	96,551	—	—	—	—	833	8·63
Salford .. ..	231,357	—	—	—	—	545	2·36
Sheffield, City of .. ..	454,632	—	—	—	—	1,737	3·79
Smethwick .. ..	70,694	—	—	—	—	249	3·52
Southampton .. ..	119,012	2	0·02	—	—	288	2·42
Southport .. ..	51,643	—	—	—	—	74	1·32
South Shields .. ..	108,647	1	0·01	—	—	272	2·50
Stockport .. ..	108,682	—	—	—	—	209	1·92
60-Stoke-on-Trent .. ..	234,534	—	—	—	—	695	2·96
Sunderland .. ..	151,159	—	—	8	0·05	2·9	1·51
Tynemouth .. ..	58,816	1	0·02	—	—	198	3·37
Walsall .. ..	92,115	—	—	—	—	166	1·80
Warrington .. ..	72,166	—	—	—	—	144	2·00
West Bromwich .. ..	68,332	—	—	—	—	81	1·19
West Ham .. ..	289,030	—	—	—	—	736	2·55
West Hartlepool .. ..	63,923	2	0·03	—	—	151	2·36
Wigan .. ..	89,152	—	—	—	—	140	1·57
Wolverhampton .. ..	95,328	1	0·01	—	—	355	3·72
70-Worcester, City of .. ..	47,982	—	—	—	—	152	3·17
York, City of .. ..	82,282	—	—	—	—	358	4·35
AGGREGATE OF 71 COUNTY BOROUGHES IN ENGLAND.	10,754,520	77	0·01	18	0·00	37,185	3·46
Cardiff .. ..	182,259	—	—	—	—	472	2·59
Merthyr Tydfil .. ..	80,990	—	—	—	—	294	3·63
Newport (Mon.) .. ..	83,691	—	—	—	—	532	6·36
Swansea .. ..	114,663	—	—	—	—	299	2·61
AGGREGATE OF 4 COUNTY BOROUGHES IN WALES AND MONMOUTH.	461,603	—	—	—	—	1,597	3·46

The figures in this table do not include the cases of infectious



## Diseases in County Boroughs.

Diphtheria.		Enteric Fever.		Continued Fever.		Puerperal Fever.		Erysipelas.	
Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
15,003	1·34	3,122	0·28	43	0·00	784	0·07	8,277	0·74
200	3·14	22	0·34	—	—	2	0·03	79	1·24
22	0·32	6	0·09	—	—	4	0·06	46	0·66
146	1·12	23	0·18	—	—	18	0·14	82	0·63
979	1·17	113	0·13	1	0·00	78	0·09	767	0·91
55	0·41	26	0·20	—	—	9	0·07	85	0·64
59	1·01	18	0·31	—	—	6	0·10	24	0·41
92	0·51	48	0·27	—	—	3	0·02	109	0·60
58	0·83	11	0·16	—	—	2	0·03	33	0·47
38	0·48	4	0·05	—	—	6	0·08	21	0·27
421	1·46	257	0·89	—	—	16	0·06	234	0·81-10
123	0·94	25	0·19	—	—	10	0·08	85	0·65
639	1·79	72	0·20	—	—	31	0·09	352	0·99
115	1·08	30	0·28	—	—	8	0·07	105	0·98
72	1·49	6	0·12	—	—	1	0·02	47	0·97
13	0·22	6	0·10	—	—	6	0·10	41	0·69
94	3·82	3	0·12	—	—	—	—	20	0·81
44	1·13	5	0·13	—	—	1	0·03	14	0·36
215	2·02	24	0·23	—	—	4	0·04	83	0·78
775	4·57	32	0·19	—	—	10	0·06	81	0·48
190	1·54	43	0·35	—	—	—	—	123	1·00-20
105	1·29	54	0·66	—	—	5	0·06	43	0·53
6	0·12	7	0·14	—	—	2	0·04	39	0·76
80	1·52	—	—	—	—	—	—	29	0·55
41	0·84	14	0·29	—	—	3	0·06	30	0·62
126	1·08	16	0·14	—	—	1	0·01	57	0·49
49	0·98	17	0·34	—	—	4	0·08	20	0·40
44	0·79	32	0·57	4	0·07	2	0·04	25	0·45
139	1·86	18	0·24	—	—	3	0·04	30	0·40
79	0·78	32	0·32	—	—	1	0·01	46	0·45
48	0·79	8	0·13	—	—	2	0·03	36	0·59-30
107	0·99	14	0·13	—	—	5	0·05	48	0·45
155	2·10	6	0·08	—	—	5	0·07	57	0·77
311	1·12	134	0·48	—	—	22	0·08	209	0·75
708	1·59	66	0·15	3	0·01	31	0·07	286	0·64
219	0·96	54	0·24	—	—	9	0·04	164	0·72
123	2·15	12	0·21	—	—	—	—	33	0·58
977	1·31	96	0·13	—	—	39	0·05	859	1·15
568	0·80	274	0·38	1	0·00	133	0·19	433	0·61
101	0·96	17	0·16	3	0·03	3	0·03	52	0·50
495	1·86	81	0·30	1	0·00	6	0·02	155	0·58-40
63	0·70	16	0·18	—	—	4	0·04	71	0·79
253	2·08	44	0·36	—	—	—	—	82	0·68
381	1·47	79	0·30	—	—	6	0·02	200	0·77
48	0·33	18	0·12	—	—	10	0·07	99	0·67
10	0·19	3	0·06	—	—	5	0·09	13	0·25
125	1·12	23	0·21	1	0·01	9	0·08	124	1·11
1,036	4·48	145	0·63	9	0·04	8	0·03	157	0·68
237	2·02	47	0·40	—	—	2	0·02	51	0·44
90	1·03	26	0·30	—	—	4	0·05	36	0·41
50	0·55	13	0·14	—	—	8	0·09	51	0·56-50
56	0·90	38	0·61	3	0·05	6	0·10	64	1·02
135	1·40	43	0·45	5	0·05	3	0·03	93	0·96
244	1·05	74	0·32	7	0·03	26	0·11	177	0·77
542	1·18	166	0·36	—	—	55	0·12	445	0·97
50	0·71	4	0·06	—	—	2	0·03	75	1·06
191	1·60	12	0·10	1	0·01	5	0·04	72	0·60
52	0·93	6	0·11	—	—	3	0·05	27	0·48
62	0·57	17	0·16	—	—	3	0·03	65	0·60
90	0·83	29	0·27	—	—	6	0·06	42	0·39
513	2·19	138	0·59	2	0·01	32	0·14	165	0·70-60
164	1·08	45	0·30	—	—	9	0·06	60	0·40
63	1·07	11	0·19	—	—	2	0·03	46	0·78
21	0·23	23	0·25	—	—	6	0·07	88	0·96
108	1·50	31	0·43	—	—	12	0·17	61	0·85
15	0·22	10	0·15	—	—	5	0·07	36	0·53
355	1·23	94	0·33	—	—	15	0·05	336	1·16
91	1·42	15	0·23	—	—	2	0·03	22	0·34
38	0·43	73	0·82	—	—	4	0·04	46	0·52
53	0·56	5	0·05	—	—	7	0·07	71	0·74
93	1·94	6	0·13	—	—	3	0·06	28	0·58-70
92	1·12	28	0·34	—	—	4	0·05	41	0·50
14,152	1·32	3,008	0·28	41	0·00	757	0·07	8,026	0·75
536	2·94	56	0·31	—	—	11	0·06	170	0·93
45	0·56	24	0·30	—	—	7	0·09	22	0·27
47	0·56	23	0·27	1	0·01	5	0·06	33	0·39
223	1·94	11	0·10	1	0·01	4	0·03	26	0·23
851	1·84	114	0·25	2	0·00	27	0·06	251	0·54

disease notified in ports, for particulars of which see p. 5.

TABLE showing the number of cases of certain INFECTIOUS DISEASES notified in each sanitary area in ENGLAND and WALES during the 52 weeks ended 28th December, 1912, and the ATTACK-RATES per 1000 of the population.

*Cases of Membranous Croup are included under the heading of Diphtheria.*

	Population (1911 Census).	Small-pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
County of London.													
ADMINISTRATIVE COUNTY	4,521,685	4	0.00	11328*	2.51	7109	1.57	701	0.16	383	0.08	4,137	0.91
CITY OF LONDON .. ..	19,657	-	-	33	1.68	18	0.92	2	0.10	-	-	14	0.71
METROPOLITAN BOROUGHs:—													
Battersea .. ..	167,743	-	-	462	2.75	232	1.38	21	0.13	6	0.04	134	0.80
† Bermondsey .. ..	125,903	-	-	419	3.33	218	1.73	38	0.30	21	0.17	166	1.32
Bethnal Green .. ..	128,183	-	-	284	2.22	220	1.72	30	0.23	16	0.12	192	1.50
Camberwell.. ..	261,328	-	-	634	2.43	319	1.22	29	0.11	17	0.07	219	0.84
Chelsea .. ..	66,385	-	-	126	1.90	89	1.34	10	0.15	7	0.11	30	0.45
Deptford .. ..	109,496	-	-	405	3.70	169	1.54	9	0.08	8	0.07	194	1.77
† Finsbury .. ..	87,923	-	-	158	1.80	145	1.65	8	0.09	12	0.14	146	1.66
Fulham .. ..	153,284	-	-	484	3.16	232	1.51	26	0.17	29	0.19	115	0.75
Greenwich .. ..	95,968	-	-	440	4.58	254	2.65	13	0.14	5	0.05	98	1.02
Hackney .. ..	222,533	-	-	515	2.31	252	1.13	27	0.12	27	0.12	211	0.95
Hammersmith .. ..	121,521	-	-	335	2.76	177	1.46	11	0.09	7	0.06	103	0.85
Hampstead .. ..	85,495	-	-	109	1.27	161	1.88	10	0.12	3	0.04	44	0.51
Holborn .. ..	49,357	-	-	114	2.31	89	1.80	12	0.24	-	-	47	0.95
Islington .. ..	327,403	-	-	811	2.48	518	1.58	49	0.15	16	0.05	186	0.57
Kensington .. ..	172,317	-	-	304	1.76	180	1.04	15	0.09	8	0.05	115	0.67
Lambeth .. ..	298,058	-	-	598	2.01	336	1.13	61	0.20	26	0.09	230	0.77
Lewisham .. ..	160,834	-	-	457	2.84	438	2.72	26	0.16	7	0.04	103	0.64
Paddington .. ..	142,551	-	-	269	1.89	254	1.78	14	0.10	11	0.08	117	0.82
Poplar .. ..	162,442	1	0.01	314	1.93	253	1.56	36	0.22	20	0.12	198	1.22
St. Marylebone .. ..	118,160	-	-	259	2.19	150	1.27	11	0.09	4	0.03	90	0.76
St. Pancras .. ..	218,387	-	-	600	2.75	550	2.52	29	0.13	20	0.09	191	0.87
† Shoreditch .. ..	111,390	-	-	153	1.37	139	1.25	11	0.10	9	0.08	151	1.36
Southwark .. ..	191,907	-	-	500	2.61	284	1.48	39	0.20	19	0.10	266	1.39
Stepney .. ..	279,804	-	-	930	3.32	364	1.30	56	0.20	31	0.11	344	1.23
Stoke Newington .. ..	50,659	-	-	90	1.78	55	1.09	3	0.06	3	0.06	34	0.67
Wandsworth .. ..	311,360	-	-	813	2.61	429	1.38	60	0.22	29	0.09	209	0.67
Westminster .. ..	160,261	-	-	239	1.49	159	0.99	17	0.11	19	0.12	98	0.61
Woolwich .. ..	121,376	3	0.02	472	3.89	425	3.50	19	0.16	3	0.02	92	0.76
County of Bedford.													
ADMINISTRATIVE COUNTY	194,588	-	-	431	2.22	170	0.87	20	0.10	12	0.06	94	0.48
AGGREGATE OF BOROUGHs AND URBAN DISTRICTS.	116,994	-	-	281	2.40	147	1.26	16	0.14	8	0.07	63	0.54
AGGREGATE OF RURAL DISTRICTS.	77,594	-	-	150	1.93	23	0.30	4	0.05	4	0.05	31	0.40
BOROUGHs AND URBAN DISTRICTS:—													
Amphill .. ..	2,270	-	-	3	1.32	19	8.37	-	-	-	-	-	-
Bedford .. ..	39,183	-	-	131	3.34	93	2.37	2	0.05	1	0.03	18	0.46
Biggleswade .. ..	5,375	-	-	74	13.77	-	-	-	-	-	-	4	0.74
Dunstable .. ..	8,057	-	-	2	0.25	4	0.50	-	-	-	-	2	0.25
Kempston .. ..	5,349	-	-	11	2.06	10	1.87	1	0.19	1	0.19	1	0.19
Leighton Buzzard .. ..	6,782	-	-	5	0.74	-	-	-	-	1	0.15	4	0.59
Luton .. ..	49,978	-	-	55	1.10	21	0.42	13	0.26	5	0.10	34	0.68
RURAL DISTRICTS:—													
Amphill .. ..	19,540	-	-	51	2.61	7	0.36	-	-	-	-	7	0.36
Bedford .. ..	19,213	-	-	47	2.45	3	0.16	-	-	-	-	6	0.31
Biggleswade .. ..	21,933	-	-	35	1.60	7	0.32	1	0.05	1	0.05	16	0.73
Eaton Bray .. ..	3,892	-	-	4	1.03	1	0.26	1	0.26	1	0.26	-	-
Eaton Socon .. ..	3,542	-	-	7	1.98	-	-	-	-	-	-	-	-
Luton .. ..	9,474	-	-	6	0.63	5	0.53	2	0.21	2	0.21	2	0.21

\* Including one case of Scarlet Fever notified in the Inner Temple.

† One case of Typhus was notified.

NOTE.—See the caution given on page 5 as to the use of rates for small populations.



## NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—continued.

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipclas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
<b>County of Berks.</b>													
ADMINISTRATIVE COUNTY	193,101	-	-	296	1·53	163	0·84	20	0·10	13	0·07	69	0·36
COUNTY BOROUGH:—													
Reading .. .. .	87,693	-	-	88	1·00	90	1·03	26	0·30	4	0·05	36	0·41
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	57,512	-	-	85	1·48	44	0·77	8	0·14	2	0·03	27	0·47
AGGREGATE OF RURAL DISTRICTS.	135,589	-	-	211	1·56	119	0·88	12	0·09	11	0·08	42	0·31
BOROUGHES AND URBAN DISTRICTS:—													
Abingdon .. .. .	6,809	-	-	11	1·62	4	0·59	1	0·15	-	-	4	0·59
Maidenhead .. .. .	15,219	-	-	9	0·59	21	1·38	3	0·20	2	0·13	10	0·66
Newbury .. .. .	12,107	-	-	7	0·58	9	0·74	-	-	-	-	2	0·17
New Windsor .. .. .	12,681	-	-	24	1·89	3	0·24	1	0·08	-	-	5	0·39
Wallingford .. .. .	2,716	-	-	19	7·00	5	1·84	-	-	-	-	1	0·37
Wantage .. .. .	3,628	-	-	10	2·70	1	0·28	3	0·83	-	-	1	0·28
Wokingham .. .. .	4,352	-	-	5	1·15	1	0·23	-	-	-	-	4	0·92
RURAL DISTRICTS:—													
Abingdon .. .. .	9,250	-	-	12	1·30	4	0·43	-	-	2	0·22	-	-
Bradfield .. .. .	14,349	-	-	30	2·09	4	0·28	1	0·07	3	0·21	-	-
Cookham .. .. .	12,311	-	-	17	1·38	47	3·82	3	0·24	-	-	5	0·41
Easthampstead .. .. .	17,548	-	-	16	0·91	4	0·23	-	-	1	0·06	4	0·23
*Faringdon (part of) .. .. .	11,075	-	-	25	-	1	-	-	-	3	-	3	-
Hungerford .. .. .	9,007	-	-	2	0·22	2	0·22	-	-	-	-	4	0·44
Newbury .. .. .	10,757	-	-	15	1·39	30	2·79	-	-	-	-	2	0·19
Wallingford .. .. .	7,245	-	-	15	2·07	14	1·93	-	-	1	0·14	1	0·14
Wantage .. .. .	12,025	-	-	23	1·91	5	0·42	4	0·33	-	-	8	0·67
Windsor .. .. .	15,370	-	-	20	1·30	-	-	2	0·13	-	-	5	0·33
Wokingham .. .. .	16,652	-	-	36	2·16	8	0·48	2	0·12	1	0·06	10	0·60
<b>County of Buckingham.</b>													
ADMINISTRATIVE COUNTY	219,551	-	-	462	2·10	142	0·65	26	0·12	5	0·02	117	0·53
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	79,955	-	-	174	2·18	28	0·35	3	0·04	1	0·01	43	0·54
AGGREGATE OF RURAL DISTRICTS.	139,596	-	-	288	2·06	114	0·82	23	0·16	4	0·03	74	0·53
BOROUGHES AND URBAN DISTRICTS:—													
Aylesbury .. .. .	11,048	-	-	21	1·90	-	-	2	0·18	1	0·09	9	0·81
Beaconsfield .. .. .	2,511	-	-	8	3·19	-	-	-	-	-	-	4	1·59
Bletchley .. .. .	5,166	-	-	4	0·77	-	-	-	-	-	-	5	0·97
Buckingham .. .. .	3,282	-	-	10	3·05	1	0·30	-	-	-	-	1	0·30
Chepping Wycombe .. .. .	20,387	-	-	94	4·61	5	0·25	1	0·05	-	-	13	0·64
Chesham .. .. .	8,204	-	-	2	0·24	3	0·37	-	-	-	-	6	0·61
Eton .. .. .	3,192	-	-	6	1·88	-	-	-	-	-	-	-	-
Linslade .. .. .	2,262	-	-	-	-	1	0·44	-	-	-	-	-	-
Marlow .. .. .	4,683	-	-	13	2·78	-	-	-	-	-	-	2	0·43
Newport Pagnell .. .. .	4,238	-	-	1	0·24	1	0·24	-	-	-	-	-	-
Slough .. .. .	14,982	-	-	15	1·00	17	1·13	-	-	-	-	4	0·27
RURAL DISTRICTS:—													
Amersham .. .. .	18,514	-	-	28	1·51	9	0·49	2	0·11	-	-	1	0·05
Aylesbury .. .. .	16,023	-	-	34	2·12	14	0·87	4	0·25	-	-	3	0·19
Buckingham .. .. .	8,322	-	-	15	1·80	4	0·48	6	0·72	1	0·12	8	0·96
Eton .. .. .	23,435	-	-	32	1·37	8	0·34	1	0·04	-	-	9	0·38
Hambleton .. .. .	1,975	-	-	10	5·06	1	0·51	-	-	1	0·51	1	0·51
Long Crendon .. .. .	4,235	-	-	4	0·94	18	4·25	-	-	-	-	-	-
Newport Pagnell .. .. .	19,024	-	-	57	3·00	7	0·37	8	0·42	1	0·05	25	1·31
Stratford and Wolverton	10,427	-	-	22	2·11	32	3·07	2	0·19	-	-	14	1·34
Wing .. .. .	6,089	-	-	17	2·79	3	0·49	-	-	-	-	2	0·33
Winslow .. .. .	6,995	-	-	14	2·00	4	0·57	-	-	1	0·14	2	0·29
Wycombe .. .. .	24,557	-	-	55	2·24	14	0·57	-	-	-	-	9	0·37

\* The remaining part of the Rural district of Faringdon is in the Administrative County of Gloucester. The figures for the entire district are:—

12,242 | - | - | 26 | 2·12 | 1 | 0·08 | - | - | 3 | 0·25 | 3 | 0·25

NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—*continued*.

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
<b>County of Cambridge.</b>													
ADMINISTRATIVE COUNTY	128,322	-	-	909	7·08	340	2·65	18	0·14	10	0·08	74	0·58
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	51,561	-	-	372	6·80	229	4·19	4	0·07	6	0·11	31	0·57
AGGREGATE OF RURAL DISTRICTS.	76,761	-	-	537	7·30	111	1·51	14	0·19	4	0·05	43	0·58
BOROUGHES AND URBAN DISTRICTS:—													
*Cambridge .. ..	40,027	-	-	353	6·81	222	4·28	4	0·08	6	0·12	30	0·58
*Chesterton .. ..	11,534	-	-	19	6·61	7	2·43	-	-	-	-	1	0·35
RURAL DISTRICTS:—													
Caxton and Arrington ..	7,775	-	-	4	0·51	-	-	-	-	-	-	10	1·29
*Chesterton .. ..	27,433	-	-	256	10·56	95	3·92	2	0·08	3	0·12	8	0·33
Linton.. ..	10,567	-	-	43	4·07	2	5·19	11	1·04	1	0·09	10	0·95
Melbourn .. ..	8,538	-	-	16	1·87	7	0·82	1	5·12	-	-	3	0·35
Newmarket .. ..	19,864	-	-	160	8·05	6	0·30	-	-	-	-	7	0·35
Swavesey .. ..	2,584	-	-	58	22·45	1	0·39	-	-	-	-	5	1·93
<b>County of Isle of Ely.</b>													
ADMINISTRATIVE COUNTY	69,752	-	-	146	2·09	68	0·97	18	0·26	2	0·03	65	0·93
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	36,608	-	-	117	3·20	24	0·66	8	0·22	1	0·03	34	0·93
AGGREGATE OF RURAL DISTRICTS.	33,144	-	-	29	0·87	44	1·33	10	0·30	1	0·03	31	0·94
BOROUGHES AND URBAN DISTRICTS:—													
Chatteris .. ..	5,259	-	-	30	5·70	2	0·38	-	-	-	-	5	0·95
Ely .. ..	7,917	-	-	28	3·54	9	1·14	3	0·38	-	-	3	0·38
March.. ..	8,403	-	-	27	3·21	-	-	-	-	-	-	14	1·67
Whittlesey .. ..	4,207	-	-	11	2·61	2	0·48	-	-	-	-	1	0·24
Wisbech .. ..	10,822	-	-	21	1·94	11	1·02	5	0·46	1	0·09	11	1·02
RURAL DISTRICTS:—													
Ely .. ..	12,916	-	-	8	0·62	7	0·54	9	0·70	-	-	16	1·24
North Witchford .. ..	5,215	-	-	1	0·19	1	0·19	-	-	-	-	5	0·96
Thorney .. ..	1,902	-	-	3	1·58	26	13·67	-	-	-	-	-	-
Whittlesey .. ..	3,380	-	-	5	1·48	-	-	-	-	-	-	5	1·48
Wisbech .. ..	9,731	-	-	12	1·23	10	1·03	1	0·10	1	0·10	5	0·51
<b>County of Chester.</b>													
ADMINISTRATIVE COUNTY	676,275	3	0·00	1,762	2·61	782	1·16	146	0·22	27	0·04	331	0·49
COUNTY BOROUGHES:—													
Birkenhead .. ..	130,794	-	-	791	6·05	146	1·12	23	0·18	18	0·14	82	0·63
Chester .. ..	39,028	-	-	43	1·10	44	1·13	5	0·13	1	0·03	14	0·36
Stockport .. ..	108,682	-	-	209	1·92	90	0·83	29	0·27	6	0·06	42	0·39
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	493,027	3	0·01	1,375	2·79	562	1·14	116	0·24	17	0·03	275	0·56
AGGREGATE OF RURAL DISTRICTS.	183,248	-	-	387	2·11	220	1·20	30	0·16	10	0·05	56	0·31
BOROUGHES AND URBAN DISTRICTS:—													
Alderley Edge .. ..	3,143	-	-	11	3·50	-	-	-	-	-	-	2	0·64
Alsager .. ..	2,743	-	-	30	10·94	10	3·65	-	-	-	-	1	0·36
Altrincham .. ..	17,813	-	-	51	2·86	18	1·01	5	0·28	1	0·06	5	0·28
Ashton upon Mersey ..	7,234	-	-	7	0·97	1	0·14	1	0·14	-	-	7	0·97
Bollington .. ..	5,224	-	-	3	0·57	-	-	1	0·19	-	-	1	0·19
Bowdon .. ..	3,044	-	-	11	3·61	1	0·33	-	-	-	-	1	0·33
Bredbury and Romiley ..	8,683	-	-	41	4·72	14	1·61	1	0·12	1	0·12	9	1·04

\* On 1st April, 1912, the Urban District of Chesterton was abolished. Part of its area was added to the Borough of Cambridge, which was further extended to include part of the Rural District of Chesterton. The remainder of the Urban District of Chesterton was added to the Rural District of Chesterton. The figures for the Urban District of Chesterton are for the period 31st December 1911-30th March 1912. Allowance has been made in the calculation of rates.



## NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—continued.

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
County of Chester— continued.													
BOROUGHS AND URBAN DISTRICTS:—													
Bromborough .. ..	1,974	-	-	14	7·09	2	1·01	-	-	-	-	1	0·51
Buglawton .. ..	1,438	-	-	1	0·70	4	2·78	-	-	-	-	2	1·39
Cheadle and Gatley ..	9,913	-	-	41	4·14	17	1·71	2	0·20	1	0·10	7	0·71
Compstall .. ..	908	-	-	8	8·81	1	1·10	-	-	-	-	1	1·10
Congleton .. ..	11,309	1	0·09	22	1·95	17	1·50	1	0·09	1	0·09	9	0·80
Crewe.. ..	44,960	-	-	126	2·80	96	2·14	3	0·07	1	0·02	17	0·38
Dukinfield .. ..	19,422	-	-	16	0·82	8	0·41	7	0·36	-	-	8	0·41
Ellesmere Port and Whitby.	10,366	-	-	53	5·11	19	1·83	-	-	-	-	15	1·45
Hale .. ..	8,351	-	-	29	3·47	8	0·96	-	-	-	-	4	0·48
Handforth .. ..	934	-	-	-	-	1	1·07	1	1·07	-	-	-	-
Hazel Grove and Bram- hall.	9,631	-	-	18	1·87	2	0·21	-	-	-	-	3	0·31
Higher Bebington ..	1,689	-	-	6	3·55	8	4·74	-	-	-	-	1	0·59
Hollingworth .. ..	2,580	-	-	-	-	-	-	2	0·78	-	-	3	1·16
Hoole .. ..	5,929	-	-	2	0·34	5	0·84	-	-	1	0·17	2	0·34
Hoylake and West Kirby	14,029	-	-	89	6·34	21	1·50	4	0·29	1	0·07	2	0·14
Hyde .. ..	33,437	-	-	16	0·48	30	0·90	6	0·18	2	0·06	34	1·02
Knutsford .. ..	5,760	-	-	5	0·87	1	0·17	-	-	-	-	2	0·35
Lower Bebington ..	11,401	-	-	24	2·11	14	1·23	-	-	2	0·18	9	0·79
Lymm .. ..	4,989	-	-	3	0·60	-	-	1	0·20	-	-	5	1·00
Macclesfield.. ..	34,797	-	-	286	8·22	19	0·55	9	0·26	-	-	15	0·43
Marple .. ..	6,483	-	-	2	0·31	4	0·62	-	-	-	-	1	0·15
Middlewich .. ..	4,909	-	-	3	0·61	6	1·22	3	0·61	-	-	-	-
Mettram in Longdendale	3,049	-	-	1	0·33	-	-	-	-	-	-	3	0·98
Nantwich .. ..	7,815	-	-	10	1·28	7	0·90	-	-	-	-	5	0·64
Neston and Parkgate ..	4,596	-	-	4	0·87	2	0·44	-	-	-	-	-	-
Northwich .. ..	18,151	-	-	14	0·77	46	2·53	1	0·06	1	0·06	9	0·50
Runcorn .. ..	17,353	-	-	24	1·38	46	2·65	22	1·27	1	0·06	22	1·27
Sale .. ..	15,044	-	-	15	1·00	4	0·27	4	0·27	-	-	6	0·40
Sandbach .. ..	5,723	1	0·17	8	1·40	8	1·40	-	-	-	-	-	-
Stalybridge .. ..	26,513	-	-	56	2·11	9	0·34	8	0·30	-	-	21	0·79
Tarporley .. ..	2,604	-	-	7	2·69	1	0·38	-	-	-	-	-	-
Wallasey .. ..	78,504	1	0·01	296	3·77	71	0·90	17	0·22	3	0·04	27	0·34
Wilmslow .. ..	8,153	-	-	12	1·47	-	-	1	0·12	-	-	1	0·12
Winsford .. ..	10,770	-	-	8	0·74	41	3·81	16	1·49	1	0·09	14	1·30
Yeardsley cum Whaley ..	1,659	-	-	2	1·21	-	-	-	-	-	-	-	-
RURAL DISTRICTS:—													
Bucklow .. ..	22,868	-	-	27	1·18	6	0·26	2	0·09	1	0·04	5	0·22
Chester .. ..	12,447	-	-	21	1·69	5	0·40	6	0·48	1	0·08	2	0·16
Congleton .. ..	12,821	-	-	28	2·18	64	4·99	-	-	-	-	6	0·47
Disley .. ..	2,958	-	-	5	1·69	-	-	-	-	-	-	2	0·68
Macclesfield.. ..	16,628	-	-	78	4·69	9	0·54	-	-	-	-	6	0·36
Malpas .. ..	4,643	-	-	16	3·45	1	0·22	-	-	-	-	-	-
Nantwich .. ..	24,995	-	-	46	1·84	36	1·44	5	0·20	1	0·04	3	0·12
Northwich .. ..	23,270	-	-	54	2·32	37	1·59	5	0·21	5	0·21	9	0·39
Runcorn .. ..	28,216	-	-	30	1·06	25	0·89	11	0·39	1	0·04	11	0·39
Tarvin .. ..	13,187	-	-	7	0·53	8	0·61	1	0·08	1	0·08	2	0·15
Tintwistle .. ..	2,193	-	-	10	4·56	-	-	-	-	-	-	1	0·46
Wirral .. ..	19,022	-	-	65	3·42	29	1·52	-	-	-	-	9	0·47
County of Cornwall.													
ADMINISTRATIVE COUNTY	328,098	-	-	267	0·81	347	1·06	42	0·13	9	0·03	128	0·39
AGGREGATE OF BOROUGH AND URBAN DISTRICTS.	144,118	-	-	69	0·48	234	1·62	21	0·15	6	0·04	50	0·35
AGGREGATE OF RURAL DISTRICTS.	183,980	-	-	198	1·08	113	0·61	21	0·11	3	0·02	78	0·42
BOROUGHS AND URBAN DISTRICTS:—													
Bodmin .. ..	5,734	-	-	3	0·52	8	1·40	-	-	1	0·17	3	0·52
Callington .. ..	1,712	-	-	-	-	6	3·50	-	-	-	-	1	0·58
Camborne .. ..	15,829	-	-	8	0·51	9	0·57	5	0·32	-	-	9	0·57
Falmouth .. ..	13,132	-	-	6	0·46	3	0·23	5	0·38	2	0·15	6	0·46
Hayle .. ..	1,028	-	-	-	-	-	-	-	-	-	-	-	-
Helston .. ..	2,937	-	-	-	-	2	0·68	-	-	-	-	-	-

NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—*continued*.

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
County of Cornwall— continued.													
BOROUGHES AND URBAN DISTRICTS:—													
Launceston .. ..	4,117	-	-	1	0·24	-	-	-	-	2	0·49	2	0·49
Liskeard .. ..	4,371	-	-	1	0·23	-	-	-	-	-	-	-	-
Looe .. ..	2,718	-	-	1	0·37	-	-	1	0·37	-	-	-	-
Lostwithiel .. ..	1,373	-	-	-	-	1	0·73	1	0·73	-	-	3	2·18
Ludgvan .. ..	2,213	-	-	-	-	2	0·90	-	-	-	-	-	-
Madron .. ..	3,710	-	-	-	-	30	8·09	-	-	-	-	1	0·27
Newquay .. ..	4,415	-	-	3	0·68	-	-	-	-	-	-	-	-
Padstow .. ..	2,480	-	-	1	0·40	1	0·40	-	-	-	-	-	-
Paul .. ..	6,014	-	-	2	0·33	7	1·16	3	0·50	-	-	1	0·17
Penryn .. ..	3,092	-	-	-	-	1	0·32	-	-	-	-	2	0·65
Penzance .. ..	13,478	-	-	5	0·37	39	2·89	-	-	-	-	2	0·15
Phillack .. ..	3,611	-	-	1	0·28	-	-	1	0·28	-	-	2	0·55
Redruth .. ..	10,814	-	-	8	0·74	7	0·65	-	-	-	-	8	0·74
St. Austell .. ..	3,365	-	-	3	0·89	2	0·59	-	-	-	-	2	0·59
St. Ives .. ..	7,170	-	-	-	-	33	4·60	-	-	-	-	1	0·14
St. Just .. ..	5,753	-	-	-	-	64	11·12	1	0·17	-	-	3	0·52
Saltash .. ..	4,130	-	-	9	2·18	1	0·24	2	0·48	1	0·24	3	0·73
Stratton and Bude ..	2,976	-	-	1	0·34	4	1·34	-	-	-	-	-	-
Torpoint .. ..	4,282	-	-	2	0·47	10	2·34	1	0·23	-	-	-	-
Truro .. ..	11,325	-	-	14	1·24	4	0·35	1	0·09	-	-	1	0·09
Wadebridge.. ..	2,339	-	-	-	-	-	-	-	-	-	-	-	-
RURAL DISTRICTS:—													
Bodmin .. ..	10,357	-	-	4	0·39	8	0·77	-	-	-	-	5	0·48
Calstock .. ..	4,880	-	-	16	3·28	-	-	-	-	-	-	4	0·82
Camelford .. ..	7,385	-	-	-	-	23	3·11	-	-	1	0·14	2	0·27
East Kerrier .. ..	8,009	-	-	15	1·87	1	0·12	6	0·75	-	-	6	0·75
Helston .. ..	17,192	-	-	14	0·81	15	0·87	1	0·06	-	-	4	0·23
*Holsworthy (part of) ..	325	-	-	-	-	1	3·08	-	-	-	-	-	-
Launceston .. ..	7,544	-	-	3	0·40	1	0·13	1	0·13	1	0·13	1	0·13
Liskeard .. ..	15,349	-	-	26	1·69	7	0·46	1	0·07	-	-	3	0·20
Redruth .. ..	18,002	-	-	16	0·89	11	0·61	-	-	-	-	12	0·67
St. Austell .. ..	32,699	-	-	46	1·41	12	0·37	7	0·21	-	-	18	0·55
St. Columb Major .. ..	11,262	-	-	3	0·27	2	0·18	1	0·09	-	-	1	0·09
St. Germans.. ..	12,273	-	-	34	2·77	1	0·08	3	0·24	-	-	2	0·16
Stratton .. ..	4,924	-	-	4	0·81	9	1·83	-	-	1	0·20	2	0·41
Truro .. ..	20,515	-	-	17	0·83	6	0·29	-	-	-	-	14	0·68
West Penwith .. ..	11,167	-	-	-	-	16	1·43	1	0·09	-	-	4	0·36
Isles of Scilly .. ..	2,097	-	-	-	-	-	-	-	-	-	-	-	-
County of Cumberland.													
ADMINISTRATIVE COUNTY	265,746	1	0·00	813	3·06	215	0·81	20	0·08	12	0·05	211	0·79
†AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	164,812	1	0·01	565	3·41	151	0·91	15	0·09	10	0·06	161	0·97
†AGGREGATE OF RURAL DISTRICTS.	100,934	-	-	248	2·48	64	0·64	5	0·05	2	0·02	50	0·50
BOROUGHES AND URBAN DISTRICTS:—													
Arledon and Frizington	5,183	-	-	17	3·28	3	0·58	-	-	-	-	4	0·77
Aspatria .. ..	3,339	-	-	118	35·34	1	0·30	-	-	-	-	3	0·90
††Carlisle .. ..	46,420	-	-	108	2·29	47	1·00	3	0·06	7	0·15	76	1·61
Cleator Moor .. ..	8,301	-	-	8	0·96	6	0·72	1	0·12	1	0·12	5	0·60
Cockermouth .. ..	5,203	-	-	7	1·35	5	0·96	-	-	-	-	-	-
Egremont .. ..	6,305	-	-	27	4·28	10	1·59	-	-	-	-	10	1·59
Harrington .. ..	4,338	-	-	11	2·54	-	-	-	-	-	-	2	0·46
Holme Cultram .. ..	4,494	-	-	3	0·67	2	0·45	1	0·22	-	-	4	0·89
Keswick .. ..	4,403	-	-	21	4·77	3	0·68	-	-	-	-	-	-
Maryport .. ..	11,418	1	0·09	28	2·45	7	0·61	-	-	-	-	-	-
Millom .. ..	8,612	-	-	94	10·92	45	5·23	4	0·46	-	-	5	0·58
Penrith .. ..	8,973	-	-	1	0·11	3	0·33	-	-	-	-	4	0·45
Whitehaven.. ..	19,044	-	-	23	1·21	2	0·11	2	0·11	2	0·11	11	0·58
Wigton .. ..	3,687	-	-	-	-	1	0·27	-	-	-	-	4	1·08
Workington .. ..	25,092	-	-	99	3·95	16	0·64	4	0·16	-	-	33	1·32

\* The remaining part of the Rural District of Holsworthy is in the Administrative County of Devonshire.

† 9 cases of Typhus were notified.

†† The Borough of Carlisle was extended and the Rural District of Carlisle was diminished on 9th November, 1912. Allowance has been made for this in the calculation of the above rates.



## NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—continued.

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
County of Cumber- land—continued.													
RURAL DISTRICTS:—													
Alston with Garrigill ..	3,075	-	-	-	-	5	1·63	-	-	-	-	3	0·98
Bootle .. ..	5,664	-	-	11	1·94	8	1·41	-	-	-	-	2	0·35
Brampton .. ..	7,982	-	-	4	0·50	4	0·50	-	-	-	-	-	-
*Carlisle .. ..	17,736	-	-	31	1·83	3	0·18	5	0·30	1	0·06	15	0·89
Cockermouth .. ..	22,231	-	-	16	0·72	12	0·54	-	-	1	0·04	7	0·31
Longtown .. ..	6,167	-	-	23	3·73	3	0·49	-	-	-	-	1	0·16
Penrith .. ..	12,549	-	-	17	1·35	-	-	-	-	-	-	4	0·32
Whitehaven.. ..	14,147	-	-	119	8·41	27	1·91	-	-	-	-	12	0·85
Wigton .. ..	11,383	-	-	27	2·37	2	0·18	-	-	-	-	6	0·53
County of Derby.													
ADMINISTRATIVE COUNTY	560,013	-	-	2,180	3·89	614	1·10	109	0·19	51	0·09	276	0·49
COUNTY BOROUGH:—													
Derby .. ..	123,410	-	-	194	1·57	190	1·54	43	0·35	-	-	123	1·00
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	287,689	-	-	1,060	3·68	299	1·04	47	0·16	33	0·11	137	0·48
AGGREGATE OF RURAL DISTRICTS.	272,324	-	-	1,120	4·11	315	1·16	62	0·23	18	0·07	139	0·51
BOROUGHES AND URBAN DISTRICTS:—													
Alfreton .. ..	19,046	-	-	155	8·14	25	1·31	5	0·26	4	0·21	11	0·58
Alvaston and Boulton ..	1,398	-	-	-	-	1	0·72	1	0·72	-	-	-	-
Ashbourne .. ..	4,059	-	-	1	0·25	26	6·41	-	-	-	-	5	1·23
Bakewell .. ..	3,078	-	-	18	5·85	-	-	1	0·32	1	0·32	2	0·65
Baslow and Bubnell ..	858	-	-	8	9·32	-	-	-	-	-	-	1	1·17
Belper .. ..	11,640	-	-	39	3·35	5	0·43	-	-	-	-	4	0·34
Bolsover .. ..	11,214	-	-	12	1·07	72	6·42	5	0·45	2	0·18	13	1·16
Bonsall .. ..	1,248	-	-	7	5·61	-	-	-	-	-	-	-	-
Brampton and Walton ..	2,125	-	-	12	5·65	1	0·47	-	-	-	-	1	0·47
Buxton .. ..	10,024	-	-	2	0·20	6	0·60	-	-	-	-	-	-
Chesterfield .. ..	37,406	-	-	189	5·05	43	1·15	3	0·08	1	0·03	23	0·61
Clay Cross .. ..	8,365	-	-	54	6·46	3	0·36	1	0·12	11	1·32	4	0·48
Dronfield .. ..	3,943	-	-	29	7·35	4	1·01	-	-	-	-	2	0·51
Fairfield .. ..	4,114	-	-	3	0·73	-	-	-	-	1	0·24	1	0·24
Glossop .. ..	21,688	-	-	22	1·01	8	0·37	14	0·65	2	0·09	16	0·74
Heage .. ..	3,474	-	-	28	8·06	1	0·29	1	0·29	-	-	1	0·29
Heanor .. ..	19,851	-	-	77	3·88	16	0·81	7	0·35	1	0·05	8	0·40
Ilkeston .. ..	31,657	-	-	20	0·63	22	0·69	-	-	1	0·03	2	0·06
Long Eaton .. ..	19,207	-	-	104	5·41	30	1·56	1	0·05	-	-	8	0·42
Matlock .. ..	6,745	-	-	8	1·19	6	0·89	-	-	1	0·15	-	-
Matlock Bath and Scarthin Nick	1,802	-	-	1	0·55	-	-	-	-	-	-	-	-
New Mills .. ..	8,998	-	-	8	0·89	9	1·00	2	0·22	-	-	5	0·56
North Darley .. ..	3,317	-	-	2	0·60	-	-	-	-	1	0·30	-	-
Ripley .. ..	11,848	-	-	49	4·14	11	0·93	-	-	2	0·17	7	0·59
South Darley .. ..	809	-	-	-	-	-	-	-	-	-	-	-	-
Swadlincote .. ..	18,674	-	-	32	1·71	3	0·16	5	0·27	2	0·11	15	0·80
Whittington and Newbold	17,213	-	-	171	9·93	3	0·17	1	0·06	2	0·12	7	0·41
Wirksworth .. ..	3,888	-	-	9	2·31	4	1·03	-	-	1	0·26	1	0·26
RURAL DISTRICTS:—													
Ashbourne .. ..	10,294	-	-	26	2·53	4	0·39	-	-	1	0·10	3	0·29
Bakewell .. ..	20,257	-	-	37	1·83	9	0·44	4	0·20	1	0·05	10	0·49
Belper .. ..	23,586	-	-	68	2·88	23	0·98	3	0·13	1	0·04	11	0·47
Blackwell .. ..	39,306	-	-	241	6·13	76	1·93	18	0·46	2	0·05	24	0·61
Chapel en le Frith ..	16,557	-	-	11	0·66	16	0·97	1	0·06	-	-	4	0·24
Chesterfield .. ..	72,277	-	-	416	5·76	69	0·95	20	0·28	10	0·14	39	0·54
Clowne .. ..	17,844	-	-	80	4·48	44	2·47	3	0·17	2	0·11	22	1·23
†Codnor Park and Shipley (parishes).	1,450	-	-	1	0·69	3	2·07	-	-	-	-	-	-
Glossop Dale .. ..	4,009	-	-	11	2·74	1	0·25	4	1·00	-	-	2	0·50
Hartshorn and Seals ..	7,939	-	-	63	7·94	8	1·01	1	0·13	-	-	3	0·38
Hayfield .. ..	5,170	-	-	27	5·22	10	1·93	-	-	-	-	1	0·19
Norton .. ..	3,919	-	-	11	2·81	7	1·79	-	-	-	-	1	0·26
Repton .. ..	16,133	-	-	54	3·35	27	1·67	3	0·19	-	-	5	0·31
Shardlow .. ..	30,900	-	-	71	2·30	18	0·58	1	0·03	1	0·03	14	0·45
Sudbury .. ..	2,683	-	-	3	1·12	-	-	4	1·49	-	-	-	-

\* The Borough of Carlisle was extended and the Rural District of Carlisle was diminished on 9th November, 1912. Allowance has been made for this in the calculation of the above rates.

† These parishes are administered by the Rural District Council of Basford (Notts.).



## NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—continued.

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
County of Devon.													
ADMINISTRATIVE COUNTY	457,331	1	0'00	738	1'61	473	1'03	72	0'16	18	0'04	119	0'26
COUNTY BOROUGHs:—													
Devonport .. .. .	81,678	-	-	179	2'19	105	1'29	54	0'66	5	0'06	43	0'53
Exeter .. .. .	48,664	-	-	394	8'10	41	0'84	14	0'29	3	0'06	30	0'62
Plymouth .. .. .	112,030	-	-	162	1'45	125	1'12	23	0'21	9	0'08	124	1'11
AGGREGATE OF BOROUGHs AND URBAN DISTRICTS.	230,918	-	-	384	1'66	246	1'07	42	0'18	5	0'02	64	0'28
AGGREGATE OF RURAL DISTRICTS.	226,413	1	0'00	354	1'56	227	1'00	30	0'13	13	0'06	55	0'24
BOROUGHs AND URBAN DISTRICTS:—													
Ashburton .. .. .	2,494	-	-	-	-	6	2'41	-	-	-	-	-	-
Bampton .. .. .	1,572	-	-	1	0'64	-	-	-	-	-	-	-	-
Barnstaple .. .. .	14,485	-	-	83	5'73	29	2'00	4	0'28	-	-	8	0'55
Bideford .. .. .	9,078	-	-	2	0'22	15	1'65	2	0'22	2	0'22	3	0'33
Brixham .. .. .	7,954	-	-	5	0'63	21	2'64	-	-	-	-	-	-
Buckfastleigh .. .. .	2,430	-	-	10	4'12	-	-	-	-	-	-	1	0'41
Budleigh Salterton .. .. .	2,170	-	-	-	-	-	-	-	-	-	-	1	0'46
Crediton .. .. .	3,640	-	-	1	0'27	3	0'55	1	0'27	-	-	-	-
Dartmouth .. .. .	7,005	-	-	75	10'71	2	0'29	1	0'14	-	-	-	-
Dawlish .. .. .	4,099	-	-	36	8'78	4	0'98	-	-	-	-	3	0'73
East Stonehouse .. .. .	13,748	-	-	20	1'45	7	0'51	6	0'44	-	-	6	0'44
Exmouth .. .. .	11,962	-	-	10	0'84	2	0'17	3	0'25	-	-	5	0'42
Great Torrington .. .. .	3,041	-	-	-	-	13	4'27	-	-	1	0'33	-	-
Heavitree .. .. .	10,950	-	-	36	3'29	6	0'55	1	0'09	1	0'09	2	0'18
Holsworthy .. .. .	1,499	-	-	-	-	9	6'00	-	-	-	-	-	-
Honiton .. .. .	3,191	-	-	1	0'31	1	0'31	2	0'63	-	-	2	0'63
Ilfracombe .. .. .	8,935	-	-	10	1'12	56	6'27	-	-	-	-	-	-
Ivybridge .. .. .	1,730	-	-	7	4'05	-	-	-	-	-	-	-	-
Kingsbridge .. .. .	3,049	-	-	-	-	4	1'31	1	0'33	-	-	2	0'66
Lynton .. .. .	1,770	-	-	4	2'26	-	-	-	-	-	-	1	0'56
Newton Abbot .. .. .	13,711	-	-	17	1'24	11	0'80	1	0'07	-	-	2	0'15
Northam .. .. .	5,500	-	-	-	-	1	0'18	-	-	-	-	2	0'36
Okehampton .. .. .	3,174	-	-	-	-	-	-	8	2'52	-	-	1	0'32
Ottery St. Mary .. .. .	3,699	-	-	5	1'35	2	0'54	-	-	-	-	4	1'08
Paignton .. .. .	11,241	-	-	2	0'18	5	0'44	1	0'09	-	-	-	-
Salcombe .. .. .	2,032	-	-	-	-	2	0'98	1	0'49	-	-	1	0'49
Seaton .. .. .	1,694	-	-	-	-	1	0'59	-	-	-	-	-	-
Sidmouth .. .. .	5,612	-	-	3	0'53	-	-	-	-	-	-	5	0'89
South Molton .. .. .	2,742	-	-	7	2'55	-	-	-	-	-	-	1	0'36
Tavistock .. .. .	4,392	-	-	2	0'46	1	0'23	-	-	1	0'23	1	0'23
Teignmouth .. .. .	9,215	-	-	9	0'98	1	0'11	-	-	-	-	3	0'33
Tiverton .. .. .	10,205	-	-	2	0'20	14	1'37	1	0'10	-	-	4	0'39
Torquay .. .. .	38,771	-	-	22	0'57	27	0'70	9	0'23	-	-	5	0'13
Totnes .. .. .	4,128	-	-	14	3'39	4	0'97	-	-	-	-	1	0'24
RURAL DISTRICTS:—													
Axminster .. .. .	12,338	-	-	-	-	1	0'08	3	0'24	-	-	8	0'65
Barnstable .. .. .	18,229	-	-	13	0'71	46	2'52	2	0'11	1	0'05	-	-
Bideford .. .. .	6,355	-	-	3	0'47	3	0'47	-	-	1	0'16	6	0'94
Broad woodwiger .. .. .	2,390	-	-	3	1'26	-	-	-	-	-	-	1	0'42
Crediton .. .. .	10,919	-	-	10	0'92	7	0'64	-	-	3	0'27	2	0'18
Culmstock .. .. .	3,346	-	-	1	0'30	7	2'09	1	0'30	-	-	1	0'30
*Holsworthy (part of) .. .. .	7,022	-	-	1	0'14	32	4'56	1	0'14	-	-	-	-
Honiton .. .. .	9,600	-	-	20	2'08	3	0'31	-	-	1	0'10	1	0'10
Kingsbridge .. .. .	11,645	-	-	15	1'29	4	0'34	-	-	-	-	4	0'34
Newton Abbot .. .. .	19,507	-	-	73	3'74	9	0'46	-	-	1	0'05	5	0'26
Okehampton .. .. .	13,600	-	-	25	1'84	5	0'37	-	-	1	0'07	4	0'29
Plympton St. Mary .. .. .	21,436	-	-	58	2'71	16	0'75	2	0'09	1	0'05	2	0'09
St. Thomas .. .. .	26,501	-	-	90	3'40	54	2'04	8	0'30	1	0'04	4	0'15
South Molton .. .. .	10,968	-	-	2	0'18	5	0'46	6	0'55	2	0'18	3	0'28
Tavistock .. .. .	16,228	-	-	4	0'25	3	0'18	-	-	-	-	1	0'06
Tiverton .. .. .	15,126	-	-	13	0'86	12	0'79	2	0'13	1	0'07	9	0'60
Torrington .. .. .	8,970	-	-	1	0'11	2	0'22	3	0'33	-	-	2	0'22
Totnes .. .. .	12,293	1	0'08	22	1'79	18	1'46	2	0'16	-	-	2	0'16

\* The remaining part of the Rural District of Holsworthy is in the Administrative County of Cornwall. The figures for the entire district are:—

7,347 | - | - | 1 | 0'14 | 33 | 4'49 | 1 | 0'14 | - | - | - | -



NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—*continued.*

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
County of Dorset.													
ADMINISTRATIVE COUNTY	223,266	1	0·00	359	1·61	267	1·20	38	0·17	12	0·05	61	0·27
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	118,458	1	0·01	248	2·09	210	1·77	24	0·20	9	0·08	25	0·21
AGGREGATE OF RURAL DISTRICTS.	104,808	-	-	111	1·06	57	0·54	14	0·13	3	0·03	36	0·34
URBAN DISTRICTS:—													
Blandford Forum .. ..	3,477	-	-	11	3·16	30	8·63	-	-	-	-	-	-
Bridport .. ..	5,919	-	-	4	0·68	30	5·07	-	-	-	-	2	0·34
Dorchester .. ..	9,842	-	-	3	0·30	33	3·35	2	0·20	1	0·10	5	0·51
Lyme Regis .. ..	2,772	-	-	3	1·08	-	-	-	-	-	-	1	1·36
Poole .. ..	38,885	-	-	190	4·89	65	1·67	15	0·39	3	0·08	10	0·26
Portland .. ..	17,011	1	0·06	11	0·65	18	1·06	5	0·29	1	0·06	-	-
Shaftesbury .. ..	1,873	-	-	-	-	-	-	-	-	-	-	-	-
Sherborne .. ..	5,953	-	-	5	0·84	19	3·19	-	-	-	-	-	-
Swanage .. ..	4,689	-	-	4	0·85	-	-	-	-	1	0·21	2	0·43
Wareham .. ..	2,002	-	-	6	3·00	-	-	-	-	-	-	-	-
Weymouth and Melcombe Regis.	22,324	-	-	9	0·40	13	0·58	2	0·09	3	0·13	2	0·09
Wimborne Minster ..	3,711	-	-	2	0·54	2	0·54	-	-	-	-	3	0·81
RURAL DISTRICTS:—													
Beaminster .. ..	9,213	-	-	3	0·33	3	0·33	7	0·76	1	0·11	2	0·22
Blandford .. ..	8,769	-	-	27	3·08	8	0·91	-	-	-	-	1	0·11
Bridport .. ..	6,731	-	-	4	0·59	6	0·89	-	-	-	-	1	0·15
Cerne .. ..	4,915	-	-	-	-	-	-	-	-	-	-	1	0·20
Dorchester .. ..	9,614	-	-	9	0·94	12	1·25	1	0·10	-	-	2	0·21
Poole .. ..	6,305	-	-	16	2·54	1	0·16	-	-	-	-	-	-
Shaftesbury .. ..	10,910	-	-	18	1·65	4	0·37	2	0·18	-	-	3	0·27
Sherborne .. ..	5,918	-	-	10	1·69	1	0·17	-	-	-	-	3	0·51
Sturminster .. ..	8,504	-	-	-	-	9	1·06	1	0·12	-	-	6	0·71
Wareham and Purbeck ..	10,567	-	-	9	0·85	4	0·38	2	0·19	-	-	10	0·95
Weymouth .. ..	8,398	-	-	5	0·60	1	0·12	1	0·12	-	-	-	-
Wimborne and Cranborne	14,964	-	-	10	0·67	8	0·53	-	-	2	0·13	7	0·47
County of Durham.													
ADMINISTRATIVE COUNTY	929,214	4	0·00	5651	6·08	1248	1·34	354	0·38	28	0·03	596	0·64
COUNTY BOROUGHES:—													
Gateshead .. ..	116,917	-	-	310	2·65	126	1·08	16	0·14	1	0·01	57	0·49
South Shields .. ..	108,647	1	0·01	272	2·50	62	0·57	17	0·16	3	0·03	65	0·60
*Sunderland .. ..	151,159	-	-	229	1·51	164	1·08	45	0·30	9	0·06	60	0·40
West Hartlepool .. ..	63,928	2	0·03	151	2·36	91	1·42	15	0·23	2	0·03	22	0·34
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	528,095	4	0·01	2905	5·50	683	1·29	205	0·39	6	0·01	308	0·58
AGGREGATE OF RURAL DISTRICTS.	401,119	-	-	2746	6·85	565	1·41	149	0·37	22	0·05	288	0·72
URBAN DISTRICTS:—													
Annfield Plain .. ..	16,552	-	-	33	1·99	19	1·15	6	0·36	1	0·06	11	0·66
Barnard Castle .. ..	4,757	-	-	76	15·98	2	0·42	-	-	-	-	1	0·21
Benfieldside .. ..	8,355	-	-	56	6·70	10	1·20	2	0·24	-	-	11	1·32
Bishop Auckland .. ..	13,834	-	-	52	3·76	19	1·37	7	0·51	-	-	15	1·08
Blaydon .. ..	31,139	-	-	87	2·79	54	1·73	16	0·51	-	-	18	0·58
Brandon and Byshottles	17,667	-	-	88	4·98	6	0·34	17	0·96	-	-	7	0·40
Chester le Street .. ..	14,712	-	-	19	1·29	3	0·20	5	0·34	-	-	9	0·61
Consett .. ..	11,207	-	-	42	3·75	13	1·16	1	0·09	1	0·09	7	0·62
Crook .. ..	12,308	-	-	144	11·70	45	3·66	5	0·41	3	0·24	5	0·41
Darlington .. ..	55,631	-	-	508	9·13	51	0·92	10	0·18	1	0·02	20	0·36
Durham .. ..	17,550	-	-	17	0·97	16	0·91	8	0·46	-	-	6	0·34
Felling .. ..	25,026	-	-	40	1·60	17	0·68	4	0·16	-	-	14	0·56
Hartlepool .. ..	20,615	4	0·19	28	1·36	5	0·24	-	-	-	-	4	0·19
Hebburn .. ..	21,763	-	-	59	2·71	29	1·33	9	0·41	-	-	23	1·06
Hetton .. ..	15,678	-	-	89	5·68	19	1·21	10	0·64	-	-	15	0·96
Houghton le Spring ..	9,753	-	-	95	9·74	11	1·13	4	0·41	-	-	14	1·44
Jarrow .. ..	33,726	-	-	58	1·72	44	1·30	10	0·30	-	-	22	0·65
Leadgate .. ..	4,990	-	-	18	3·61	9	1·80	-	-	-	-	1	0·20
Ryton .. ..	12,948	-	-	44	3·40	16	1·24	5	0·39	-	-	4	0·31
Seaham Harbour .. ..	15,757	-	-	31	1·97	4	0·25	9	0·57	-	-	5	0·32

\* Eight cases of Typhus were notified.



NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—*continued*.

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
County of Durham— continued.													
BOROUGHS AND URBAN DISTRICTS:—													
Shildon and East Thickley.	13,488	-	-	356	26·39	21	1·56	10	0·74	-	-	9	0·67
Southwick on Wear ..	13,784	-	-	59	4·28	2	0·15	7	0·51	-	-	-	-
Spennymoor .. ..	17,909	-	-	249	13·90	6	0·34	9	0·50	-	-	17	0·95
Stanhope .. ..	2,010	-	-	37	18·41	14	6·97	-	-	-	-	1	0·50
Stanley .. ..	23,294	-	-	100	4·29	44	1·89	2	0·09	-	-	12	0·52
Stockton on Tees .. ..	52,154	-	-	187	3·59	73	1·40	33	0·63	2	0·04	26	0·50
Tanfield .. ..	10,101	-	-	34	3·37	45	4·46	3	0·30	-	-	15	1·49
Tow Law .. ..	4,324	-	-	20	4·63	3	0·69	1	0·23	1	0·23	6	1·39
Whickham .. ..	18,332	-	-	61	3·49	36	1·96	12	0·65	2	0·11	5	0·27
Willington .. ..	8,731	-	-	215	24·62	47	5·38	-	-	1	0·11	5	0·57
RURAL DISTRICTS:—													
Auckland .. ..	58,338	-	-	1122	19·23	106	1·82	20	0·34	3	0·05	57	0·98
Barnard Castle .. ..	11,681	-	-	48	4·11	25	2·14	-	-	-	-	5	0·43
Chester le Street .. ..	63,878	-	-	235	3·68	40	0·63	12	0·19	-	-	62	0·97
Darlington .. ..	10,914	-	-	81	7·42	11	1·01	2	0·18	1	0·09	3	0·27
Durham .. ..	30,790	-	-	38	1·23	49	1·59	23	0·75	-	-	21	0·68
Easington .. ..	60,040	-	-	507	8·44	79	1·32	19	0·32	6	0·10	56	0·93
Hartlepool .. ..	3,355	-	-	7	2·09	2	0·60	-	-	-	-	-	-
Houghton le Spring ..	25,527	-	-	58	2·27	22	0·86	22	0·86	-	-	14	0·55
Lanchester .. ..	32,235	-	-	171	5·30	25	0·78	6	0·19	1	0·03	19	0·59
Sedgefield .. ..	33,697	-	-	177	5·25	24	0·71	6	0·18	2	0·06	8	0·24
South Shields .. ..	14,481	-	-	56	3·87	9	0·62	6	0·41	1	0·07	13	0·90
Stockton .. ..	17,530	-	-	89	5·08	34	1·94	9	0·51	1	0·06	12	0·68
Sunderland .. ..	29,002	-	-	135	4·65	103	3·55	19	0·66	1	0·03	14	0·48
Weardale .. ..	9,651	-	-	22	2·28	36	3·73	5	0·52	-	-	4	0·41
County of Essex.													
ADMINISTRATIVE COUNTY	1,061,851	1	0·00	2495	2·35	1166	1·10	177	0·17	71	0·07	756	0·71
COUNTY BOROUGH:—													
West Ham .. ..	289,030	-	-	736	2·55	355	1·23	94	0·33	15	0·05	336	1·16
AGGREGATE OF BOROUGH AND URBAN DISTRICTS.	802,896	1	0·00	2048	2·56	930	1·16	119	0·15	57	0·07	627	0·78
AGGREGATE OF RURAL DISTRICTS.	258,955	-	-	447	1·72	236	0·91	58	0·22	14	0·05	129	0·50
BOROUGH AND URBAN DISTRICTS:—													
Barking Town .. ..	31,294	-	-	94	3·00	34	1·09	10	0·32	2	0·06	43	1·37
Braintree .. ..	6,168	-	-	1	0·16	4	0·65	-	-	-	-	-	-
Brentwood .. ..	6,923	-	-	6	0·87	3	0·43	-	-	1	0·14	4	0·58
Brightlingsea .. ..	4,403	-	-	2	0·45	-	-	3	0·68	-	-	1	0·23
Buckhurst Hill .. ..	4,886	-	-	1	0·20	-	-	2	0·41	-	-	3	0·61
Burnham on Crouch ..	3,190	-	-	10	3·13	-	-	-	-	-	-	1	0·31
Chelmsford .. ..	18,008	-	-	66	3·66	28	1·55	1	0·06	-	-	5	0·28
Chingford .. ..	8,184	-	-	16	1·96	30	3·67	1	0·12	-	-	2	0·24
Clacton .. ..	9,777	1	0·10	26	2·66	6	0·61	5	0·51	-	-	2	0·20
Colchester .. ..	43,452	-	-	28	0·64	31	0·71	1	0·02	-	-	37	0·85
East Ham .. ..	133,487	-	-	436	3·27	77	0·58	16	0·12	8	0·06	153	1·15
Epping .. ..	4,253	-	-	23	5·41	3	0·71	-	-	-	-	3	0·71
Frinton on Sea .. ..	1,510	-	-	1	0·66	-	-	-	-	-	-	1	0·66
Grays Thurrock .. ..	15,998	-	-	77	4·81	24	1·50	3	0·19	-	-	5	0·31
Halstead .. ..	6,264	-	-	1	0·16	1	0·16	-	-	3	0·48	3	0·48
Harwich .. ..	13,622	-	-	3	0·22	10	0·73	8	0·59	-	-	5	0·37
Ilford .. ..	78,188	-	-	280	3·58	137	1·75	4	0·05	6	0·08	56	0·72
Leigh on Sea .. ..	7,713	-	-	10	1·30	2	0·26	3	0·39	-	-	1	0·13
Leyton .. ..	124,735	-	-	334	2·68	155	1·24	19	0·15	15	0·12	132	1·06
Loughton .. ..	5,433	-	-	2	0·37	-	-	1	0·18	-	-	-	-
Maldon .. ..	6,253	-	-	2	0·32	-	-	3	0·48	2	0·32	6	0·96
Romford .. ..	16,970	-	-	54	3·18	16	0·94	3	0·18	-	-	14	0·82
Saffron Walden .. ..	6,311	-	-	24	3·80	17	2·69	-	-	1	0·16	4	0·63
Shoeburyness .. ..	5,004	-	-	13	2·60	8	1·60	4	0·80	-	-	8	1·60
Southend on Sea .. ..	62,713	-	-	141	2·25	61	0·97	8	0·13	7	0·11	38	0·61
Tilbury .. ..	6,429	-	-	12	2·50	4	0·83	1	0·21	-	-	2	0·42
Waltham Holy Cross ..	6,795	-	-	35	5·15	2	0·29	1	0·15	-	-	2	0·29
Walthamstow .. ..	124,580	-	-	283	2·27	233	1·87	14	0·11	10	0·08	83	0·67



## NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—continued.

	Population (1911 Census).	Small-pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
County of Essex— continued.													
BOROUGHS AND URBAN DISTRICTS:—													
Walton on the Naze ..	2,172	-	-	-	-	-	-	-	-	-	-	-	-
Wanstead .. ..	13,830	-	-	31	2.24	23	1.66	1	0.07	2	0.14	3	0.22
Witham .. ..	3,480	-	-	3	0.86	5	1.44	2	0.57	-	-	-	-
Wivenhoe .. ..	2,375	-	-	-	-	1	0.42	4	1.68	-	-	2	0.84
Woodford .. ..	18,496	-	-	33	1.78	15	0.81	1	0.05	-	-	8	0.43
RURAL DISTRICTS:—													
Belchamp .. ..	4,676	-	-	5	1.07	-	-	-	-	-	-	1	0.21
Billericay .. ..	21,555	-	-	29	1.35	28	1.30	8	0.37	1	0.05	19	0.88
Braintree .. ..	18,463	-	-	35	1.90	19	1.03	4	0.22	-	-	11	0.60
Bumpstead .. ..	2,594	-	-	2	0.77	13	5.01	-	-	-	-	3	1.16
Chelmsford .. ..	22,791	-	-	42	1.84	23	1.01	2	0.09	-	-	6	0.26
Dunmow .. ..	16,084	-	-	35	2.18	12	0.75	9	0.56	4	0.25	9	0.56
Epping .. ..	13,959	-	-	32	2.29	19	1.36	1	0.07	-	-	11	0.79
Halstead .. ..	10,332	-	-	9	0.87	2	0.19	2	0.19	1	0.10	13	1.36
Lexden and Winstree ..	19,686	-	-	41	2.08	3	0.15	4	0.20	2	0.10	8	0.41
Maldon .. ..	16,164	-	-	21	1.30	12	0.74	-	-	-	-	4	0.25
Ongar .. ..	10,644	-	-	9	0.85	2	0.19	-	-	1	0.09	6	0.56
*Orsett .. ..	18,443	-	-	50	2.49	10	0.50	14	0.70	1	0.05	9	0.45
Rochford .. ..	18,375	-	-	30	1.63	26	1.41	7	0.38	-	-	5	0.27
Romford .. ..	25,356	-	-	48	1.89	27	1.06	1	0.04	3	0.12	14	0.55
Saffron Walden .. ..	10,810	-	-	42	3.89	25	2.31	-	-	1	0.93	1	0.93
Stansted .. ..	7,966	-	-	-	-	4	0.57	1	0.14	-	-	6	0.85
Tendring .. ..	21,957	-	-	17	0.77	11	0.50	5	0.23	-	-	3	0.14
County of Gloucester.													
ADMINISTRATIVE COUNTY	329,014	-	-	763	2.32	403	1.22	29	0.09	11	0.03	150	0.46
COUNTY BOROUGHS:—													
Bristol .. ..	357,048	60	0.17	567	1.59	639	1.79	72	0.20	31	0.09	352	0.99
Gloucester .. ..	50,035	-	-	221	4.42	49	0.98	17	0.34	4	0.08	20	0.40
AGGREGATE OF BOROUGH AND URBAN DISTRICTS.	100,419	-	-	259	2.58	104	1.04	16	0.16	-	-	46	0.46
AGGREGATE OF RURAL DISTRICTS.	228,595	-	-	504	2.20	299	1.31	13	0.06	11	0.05	104	0.45
BOROUGH AND URBAN DISTRICTS:—													
Awre .. ..	1,070	-	-	2	1.87	-	-	-	-	-	-	-	-
Charlton Kings .. ..	4,495	-	-	1	0.22	2	0.44	-	-	-	-	1	0.22
Cheltenham .. ..	48,942	-	-	186	3.80	19	0.39	10	0.20	-	-	27	0.55
Cirencester .. ..	7,631	-	-	13	1.70	3	0.39	-	-	-	-	6	0.79
Coleford .. ..	2,604	-	-	1	0.38	5	1.92	1	0.38	-	-	2	0.77
Kingswood .. ..	12,700	-	-	22	1.73	22	1.73	1	0.08	-	-	7	0.55
Nailsworth .. ..	3,031	-	-	10	3.30	8	2.64	-	-	-	-	-	-
Newnham .. ..	1,021	-	-	-	-	-	-	-	-	-	-	1	0.98
Stow on the Wold .. ..	1,301	-	-	-	-	-	-	-	-	-	-	-	-
Stroud .. ..	8,767	-	-	13	1.48	29	3.31	-	-	-	-	1	0.11
Tetbury .. ..	1,758	-	-	-	-	14	7.96	-	-	-	-	-	-
Tewkesbury .. ..	5,287	-	-	10	1.89	-	-	4	0.76	-	-	1	0.19
Westbury on Severn ..	1,812	-	-	1	0.55	2	1.10	-	-	-	-	-	-
RURAL DISTRICTS:—													
Campden .. ..	5,597	-	-	23	4.11	6	1.07	-	-	-	-	4	0.71
Cheltenham .. ..	5,254	-	-	11	2.09	2	0.38	1	0.19	-	-	7	1.33
Chipping Sodbury .. ..	20,955	-	-	27	1.29	44	2.10	-	-	-	-	13	0.62
Cirencester .. ..	12,746	-	-	19	1.49	1	0.08	2	0.16	-	-	3	0.24
Dursley .. ..	12,233	-	-	34	2.78	53	4.33	1	0.08	3	0.25	8	0.65
East Dean and United Parishes.	19,952	-	-	5	0.25	21	1.05	-	-	2	0.10	-	-
†Faringdon (part of) Gloucester .. ..	1,167	-	-	1	0.86	-	-	-	-	-	-	-	-
Lydney .. ..	12,615	-	-	22	1.74	6	0.48	3	0.24	1	0.08	3	0.24
Marston Sicca .. ..	9,005	-	-	51	5.66	14	1.55	-	-	-	-	8	0.89
Newent .. ..	1,609	-	-	1	0.62	-	-	-	-	-	-	-	-
Newent .. ..	6,964	-	-	8	1.15	1	0.14	-	-	-	-	2	0.29
Northleach .. ..	8,056	-	-	14	1.74	-	-	1	0.12	2	0.25	1	0.12
Pebworth .. ..	3,239	-	-	1	0.31	-	-	-	-	-	-	1	0.31

\* On 1st April, 1912, the parish of Chadwell in the Rural District of Orsett was constituted the Urban District of Tilbury. Allowance has been made in the calculation of rates.

† The remaining part of the Rural District of Faringdon is in the Administrative County of Berkshire.



## NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—continued.

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
<b>County of Gloucester</b> —continued.													
RURAL DISTRICTS:—													
*Stow on the Wold (part of)	6,803	-	-	4	0·59	1	0·15	-	-	-	-	4	0·59
Stroud .. ..	28,068	-	-	58	2·07	21	0·75	1	0·04	-	-	13	0·46
*Tetbury (part of) .. ..	3,913	-	-	8	2·04	11	2·81	-	-	-	-	2	0·51
*Tewkesbury (part of) .. ..	5,074	-	-	11	2·17	1	0·20	-	-	-	-	2	0·39
Thornbury .. ..	19,079	-	-	16	0·84	29	1·52	1	0·05	-	-	11	0·58
Warmley .. ..	17,188	-	-	108	6·28	24	1·40	3	0·17	-	-	12	0·70
West Dean .. ..	13,454	-	-	53	3·94	50	3·72	-	-	3	0·22	4	0·30
Wheatenhurst .. ..	6,093	-	-	17	2·79	11	1·81	-	-	-	-	2	0·33
*Winchcomb (part of) .. ..	9,531	-	-	12	1·26	3	0·31	-	-	-	-	4	0·42
<b>County of Hereford.</b>													
ADMINISTRATIVE COUNTY	114,269	6	0·05	310	2·71	153	1·34	3	0·03	7	0·06	68	0·60
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	39,867	-	-	104	2·61	60	1·51	1	0·03	3	0·08	34	0·85
AGGREGATE OF RURAL DISTRICTS.	74,402	6	0·08	206	2·77	93	1·25	2	0·03	4	0·05	34	0·46
BOROUGHES AND URBAN DISTRICTS:—													
Bromyard .. ..	1,703	-	-	3	1·76	-	-	-	-	-	-	2	1·17
Hereford .. ..	22,568	-	-	87	3·86	33	1·46	1	0·04	2	0·09	24	1·06
Kington .. ..	1,819	-	-	3	1·65	14	7·70	-	-	1	0·55	1	0·55
Ledbury .. ..	3,358	-	-	6	1·79	2	0·60	-	-	-	-	1	0·30
Leominster .. ..	5,737	-	-	1	0·17	9	1·57	-	-	-	-	3	0·52
Ross .. ..	4,682	-	-	4	0·85	2	0·43	-	-	-	-	3	0·64
RURAL DISTRICTS:—													
Bredwardine .. ..	1,995	-	-	6	3·01	-	-	-	-	-	-	-	-
Bromyard .. ..	7,931	-	-	28	3·53	5	0·63	-	-	1	0·13	3	0·38
Dore .. ..	6,491	-	-	14	2·16	-	-	-	-	-	-	16	2·46
Hereford .. ..	13,597	6	0·44	49	3·60	10	0·74	1	0·07	-	-	3	0·22
Kington .. ..	4,996	-	-	18	3·60	20	4·00	-	-	-	-	-	-
Ledbury .. ..	9,059	-	-	19	2·10	3	0·33	1	0·11	-	-	2	0·22
Leominster .. ..	7,915	-	-	22	2·78	3	0·38	-	-	1	0·13	8	1·01
Ross .. ..	10,421	-	-	20	1·92	5	0·48	-	-	2	0·19	-	-
Weobley .. ..	6,699	-	-	12	1·79	44	6·57	-	-	-	-	1	0·15
Whitchurch .. ..	1,526	-	-	1	0·66	-	-	-	-	-	-	-	-
Wigmore .. ..	3,772	-	-	17	4·51	3	0·80	-	-	-	-	1	0·27
<b>County of Hertford.</b>													
ADMINISTRATIVE COUNTY	311,284	-	-	501	1·61	302	0·97	35	0·11	12	0·04	131	0·42
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	194,242	-	-	328	1·69	160	0·82	23	0·12	7	0·04	75	0·39
AGGREGATE OF RURAL DISTRICTS.	117,042	-	-	173	1·48	142	1·21	12	0·10	5	0·04	56	0·48
BOROUGHES AND URBAN DISTRICTS:—													
Baldock .. ..	2,094	-	-	-	-	-	-	-	-	-	-	4	1·91
Barnet .. ..	10,440	-	-	33	3·16	11	1·05	-	-	-	-	4	0·38
Bishop Stortford .. ..	8,721	-	-	6	0·69	1	0·11	1	0·11	-	-	1	0·11
Bushey .. ..	6,978	-	-	7	1·00	4	0·57	1	0·14	-	-	-	-
Cheshunt .. ..	12,954	-	-	22	1·70	16	1·24	1	0·08	1	0·08	2	0·15
East Barnet Valley .. ..	12,381	-	-	25	2·02	8	0·65	4	0·32	-	-	2	0·16
Great Berkhamstead .. ..	7,302	-	-	13	1·78	1	0·14	-	-	-	-	3	0·41
Harpenden .. ..	6,172	-	-	16	2·59	16	2·59	1	0·16	2	0·32	2	0·32
Hemel Hempstead .. ..	12,888	-	-	13	1·01	4	0·31	1	0·08	-	-	14	1·09
Hertford .. ..	10,383	-	-	12	1·16	15	1·44	-	-	-	-	5	0·48
Hitchen .. ..	11,905	-	-	2	0·17	4	0·34	1	0·08	-	-	6	0·50
Hoddesdon .. ..	5,196	-	-	4	0·77	8	1·54	2	0·38	-	-	1	0·19
Rickmansworth .. ..	6,288	-	-	27	4·29	16	2·54	-	-	-	-	5	0·80
Royston .. ..	3,985	-	-	2	0·50	5	1·25	-	-	-	-	2	0·50
St. Albans .. ..	18,133	-	-	32	1·76	9	0·50	1	0·06	1	0·06	7	0·39

\* The remaining parts of the Rural Districts of Stow-on-the-Wold, Tewkesbury and Winchcomb are in the Administrative County of Worcester, and the remaining part of the Rural District of Tetbury is in the Administrative County of Wiltshire. The figures for the entire Districts are:—

Stow-on-the-Wold .. ..	7,114	-	-	4	0·56	1	0·14	-	-	-	-	4	0·56
Tetbury .. ..	4,286	-	-	8	1·87	11	2·57	-	-	-	-	2	0·47
Tewkesbury .. ..	7,391	-	-	18	2·44	1	0·14	-	-	-	-	2	0·27
Winchcomb .. ..	9,647	-	-	12	1·24	3	0·31	-	-	-	-	4	0·41



NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—*continued.*

	Population (1911 Census).	Small- pox.		Scarlot Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
<b>County of Hertford—</b> <i>continued.</i>													
BOROUGHS AND URBAN DISTRICTS:—													
Sawbridgeworth .. ..	2,304	-	-	2	0·87	1	0·43	1	0·43	-	-	-	-
Stevenage .. ..	4,856	-	-	-	-	-	-	1	0·21	-	-	2	0·41
Tring .. ..	4,481	-	-	30	6·69	11	2·45	2	0·45	-	-	4	0·89
Ware .. ..	5,842	-	-	3	0·51	1	0·17	2	0·34	-	-	1	0·17
Watford .. ..	40,939	-	-	79	1·93	29	0·71	4	0·10	3	0·07	10	0·24
RURAL DISTRICTS:—													
Ashwell .. ..	3,948	-	-	2	0·51	-	-	3	0·76	-	-	3	0·76
Barnet .. ..	4,969	-	-	5	1·01	17	3·42	-	-	-	-	-	-
Berkhampstead .. ..	4,707	-	-	21	4·46	1	0·21	3	0·64	-	-	2	0·42
Buntingford .. ..	5,019	-	-	1	0·20	-	-	-	-	-	-	1	0·20
Hadham .. ..	5,795	-	-	5	0·86	1	0·17	-	-	-	-	-	-
Hatfield .. ..	8,592	-	-	13	1·51	-	-	-	-	-	-	4	0·47
Hemel Hempstead .. ..	6,565	-	-	11	1·68	12	1·83	-	-	-	-	3	0·46
Hertford .. ..	7,659	-	-	13	1·70	21	2·74	-	-	-	-	-	-
Hitchin .. ..	18,666	-	-	15	0·80	19	1·02	1	0·05	-	-	3	0·16
St. Albans .. ..	19,463	-	-	43	2·21	7	0·36	2	0·10	4	0·21	6	0·31
Ware .. ..	11,464	-	-	9	0·79	2	0·17	1	0·09	-	-	2	0·17
Watford .. ..	17,776	-	-	33	1·86	35	1·97	2	0·11	1	0·06	32	1·80
Welwyn .. ..	2,419	-	-	2	0·83	27	11·16	-	-	-	-	-	-
<b>County of Huntingdon.</b>													
ADMINISTRATIVE COUNTY	55,577	-	-	62	1·12	27	0·49	10	0·18	3	0·05	22	0·40
AGGREGATE OF BOROUGH AND URBAN DISTRICTS.	23,652	-	-	12	0·51	11	0·47	3	0·13	1	0·04	8	0·34
AGGREGATE OF RURAL DISTRICTS.	31,925	-	-	50	1·57	16	0·50	7	0·22	2	0·06	14	0·44
BOROUGHS AND URBAN DISTRICTS:—													
Godmanchester .. ..	2,130	-	-	4	1·88	-	-	-	-	-	-	1	0·47
Huntingdon .. ..	4,003	-	-	2	0·50	2	0·50	1	0·25	-	-	1	0·25
Old Fletton .. ..	5,005	-	-	3	0·60	5	1·00	-	-	-	-	3	0·60
Ramsey .. ..	5,328	-	-	1	0·19	1	0·19	2	0·38	1	0·19	1	0·19
St. Ives .. ..	3,015	-	-	1	0·33	2	0·66	-	-	-	-	1	0·33
St. Neots .. ..	4,171	-	-	1	0·24	1	0·24	-	-	-	-	1	0·24
RURAL DISTRICTS:—													
Huntingdon .. ..	6,938	-	-	8	1·15	3	0·43	-	-	-	-	2	0·29
Norman Cross .. ..	5,624	-	-	6	1·07	4	0·71	2	0·36	1	0·18	5	0·89
*Oundle (part of) .. ..	1,140	-	-	1	0·88	-	-	-	-	-	-	-	-
St. Ives .. ..	9,701	-	-	8	0·82	1	0·10	-	-	-	-	6	0·62
St. Neots .. ..	7,227	-	-	27	3·74	8	1·11	-	-	1	0·14	1	0·14
†Stibbington (parish) ..	432	-	-	-	-	-	-	5	11·57	-	-	-	-
*Thrapston (part of) ..	863	-	-	-	-	-	-	-	-	-	-	-	-
<b>County of Kent.</b>													
ADMINISTRATIVE COUNTY	1,020,965	3	0·00	3087	3·02	1988	1·95	349	0·34	36	0·04	481	0·47
COUNTY BOROUGH:—													
Canterbury .. ..	24,626	-	-	45	1·83	94	3·82	3	0·12	-	-	20	0·81
AGGREGATE OF BOROUGH AND URBAN DISTRICTS.	708,808	1	0·00	2230	3·15	1475	2·08	275	0·39	27	0·04	333	0·47
AGGREGATE OF RURAL DISTRICTS.	312,157	2	0·01	857	2·75	513	1·64	74	0·24	9	0·03	148	0·47
BOROUGHS AND URBAN DISTRICTS:—													
Ashford .. ..	13,668	-	-	7	0·51	16	1·17	47	3·44	1	0·07	6	0·44
Beckenham .. ..	31,692	-	-	70	2·21	71	2·24	4	0·13	-	-	8	0·25
Bexley .. ..	15,895	-	-	42	2·64	21	1·32	-	-	2	0·13	5	0·31
Broadstairs and St. Peter's	8,929	-	-	31	3·47	16	1·79	1	0·11	-	-	-	-

\* The remaining parts of the Rural Districts of Oundle and Thrapston are in the Administrative County of Northampton.

† This parish is administered by the Rural District Council of Barnack (Soke of Peterborough).



## NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—continued.

			Population (1911 Census).	Small-pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
				Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
<b>County of Kent—</b> <i>continued.</i>															
BOROUGHS AND URBAN DISTRICTS:—															
Bromley .. ..	33,646	-	-	181	5·38	62	1·84	2	0·06	-	-	22	0·65		
Chatham .. ..	42,250	-	-	208	4·92	244	5·78	18	0·43	1	0·02	27	0·64		
Cheriton .. ..	7,577	-	-	14	1·85	1	0·13	-	-	-	-	-	-		
Chislehurst .. ..	8,666	-	-	4	0·46	2	0·23	2	0·23	-	-	2	0·23		
Dartford .. ..	23,609	-	-	47	1·99	9	0·38	11	0·47	-	-	18	0·76		
Deal .. ..	11,295	-	-	14	1·24	1	0·09	5	0·44	1	0·09	3	0·27		
Dover .. ..	43,645	-	-	87	1·99	90	2·06	7	0·16	8	0·18	18	0·41		
Erith .. ..	27,750	-	-	68	2·45	42	1·51	7	0·25	2	0·07	21	0·76		
Faversham .. ..	10,619	-	-	46	4·33	38	3·58	3	0·28	1	0·09	3	0·28		
Folkestone .. ..	33,502	1	0·03	56	1·67	37	1·10	3	0·09	3	0·09	9	0·27		
Footscray .. ..	8,493	-	-	14	1·65	6	0·71	-	-	-	-	2	0·24		
Gillingham .. ..	52,252	-	-	318	6·09	145	2·78	11	0·21	1	0·02	28	0·54		
Gravesend .. ..	28,115	-	-	69	2·45	39	1·39	4	0·14	1	0·04	24	0·85		
Herne Bay .. ..	7,780	-	-	16	2·06	6	0·77	-	-	-	-	2	0·26		
Hythe .. ..	6,387	-	-	4	0·63	3	0·47	-	-	-	-	1	0·16		
Lydd .. ..	2,874	-	-	14	4·87	1	0·35	-	-	-	-	3	1·04		
Maidstone .. ..	35,475	-	-	97	2·73	25	0·70	6	0·17	1	0·03	17	0·48		
Margate .. ..	27,085	-	-	58	2·14	33	1·22	6	0·22	4	0·15	13	0·48		
Milton Regis .. ..	7,475	-	-	90	12·04	7	0·94	2	0·27	-	-	5	0·67		
New Romney .. ..	1,333	-	-	2	1·50	-	-	-	-	-	-	-	-		
Northfleet .. ..	14,184	-	-	34	2·40	6	0·42	9	0·63	-	-	13	0·92		
Penge .. ..	22,330	-	-	31	1·39	73	3·27	3	0·13	-	-	7	0·31		
*Queenborough .. ..	2,468	-	-	-	-	4	-	-	-	-	-	4	-		
Ramsgate .. ..	29,603	-	-	43	1·45	47	1·59	14	0·47	-	-	6	0·20		
Rochester .. ..	31,384	-	-	225	7·17	173	5·51	<del>85</del> 2·64	<del>1·27</del>	-	-	38	1·21		
†Sandgate (part of) .. ..	2,367	-	-	-	-	-	-	-	-	-	-	-	-		
Sandwich .. ..	3,040	-	-	3	0·99	5	1·64	-	-	-	-	1	0·33		
Sevenoaks .. ..	9,182	-	-	49	5·34	1	0·11	-	-	-	-	1	0·11		
Sheerness .. ..	17,487	-	-	32	1·83	6	0·34	3	0·17	-	-	-	-		
Sittingbourne .. ..	8,380	-	-	89	10·62	13	1·55	11	1·31	-	-	2	0·24		
Southborough .. ..	7,001	-	-	7	1·00	70	10·00	-	-	1	0·14	2	0·29		
Tenterden .. ..	3,379	-	-	-	-	-	-	-	-	-	-	-	-		
Tonbridge .. ..	14,796	-	-	30	2·03	62	4·19	1	0·07	-	-	4	0·27		
Tunbridge Wells .. ..	35,697	-	-	55	1·54	91	2·55	4	0·11	-	-	9	0·25		
Walmer .. ..	5,347	-	-	5	0·94	5	0·94	-	-	-	-	-	-		
Whitstable .. ..	7,982	-	-	69	8·64	2	0·25	3	0·38	-	-	7	0·88		
Wrotham .. ..	4,169	-	-	1	0·24	2	0·48	2	0·48	-	-	2	0·48		
RURAL DISTRICTS:—															
Blean .. ..	7,597	-	-	12	1·58	23	3·03	2	0·26	-	-	2	0·26		
Bridge .. ..	11,194	-	-	10	0·89	22	1·97	1	0·09	-	-	2	0·18		
Bromley .. ..	21,958	-	-	49	2·23	36	1·64	5	0·23	-	-	9	0·41		
Cranbrook .. ..	13,689	-	-	14	1·02	4	0·29	1	0·07	-	-	8	0·58		
Dartford .. ..	39,909	-	-	128	3·21	115	2·88	19	0·48	-	-	22	0·55		
Dover .. ..	8,299	-	-	8	0·96	6	0·72	-	-	-	-	2	0·24		
East Ashford .. ..	13,616	-	-	16	1·18	8	0·59	2	0·15	-	-	3	0·22		
Eastry .. ..	13,161	1	0·08	34	2·58	21	1·60	-	-	-	-	8	0·61		
Elham .. ..	7,441	-	-	5	0·67	7	0·94	-	-	1	0·13	4	0·54		
Faversham .. ..	14,129	-	-	30	2·12	31	2·19	15	1·06	-	-	4	0·28		
Hollingbourne .. ..	12,845	-	-	35	2·72	16	1·25	1	0·08	1	0·08	7	0·54		
Hoo .. ..	3,965	-	-	1	0·25	4	1·01	-	-	-	-	1	0·25		
Isle of Thanet .. ..	12,929	-	-	26	2·01	8	0·62	6	0·46	1	0·08	7	0·54		
Maidstone .. ..	16,398	-	-	39	2·38	44	2·68	3	0·18	1	0·06	6	0·37		
Malling .. ..	24,233	-	-	178	7·35	39	1·61	1	0·04	1	0·04	8	0·33		
Milton .. ..	12,453	-	-	45	3·61	14	1·12	3	0·24	-	-	8	0·64		
Romney Marsh .. ..	2,797	-	-	1	0·36	-	-	2	0·72	-	-	2	0·72		
Sevenoaks .. ..	24,029	-	-	36	1·50	29	1·21	6	0·25	2	0·08	13	0·54		
*Sheppey .. ..	4,427	-	-	4	-	6	-	-	-	-	-	4	-		
Strood .. ..	15,354	-	-	118	7·69	30	1·95	5	0·33	-	-	15	0·98		
Tenterden .. ..	6,001	-	-	14	2·33	13	2·17	1	0·17	-	-	2	0·33		
Tonbridge .. ..	17,769	1	0·06	24	1·35	27	1·52	-	-	1	0·06	7	0·39		
West Ashford .. ..	7,964	-	-	30	3·77	10	1·26	1	0·13	1	0·13	4	0·50		
<b>County of Lancaster.</b>															
ADMINISTRATIVE COUNTY			1,738,485	1	0·00	4,828	2·80	1,390	0·81	630	0·37	126	0·07	1,042	0·60
COUNTY BOROUGHS:—															
Barrow in Furness .. ..	63,770	-	-	255	4·00	200	3·14	22	0·34	2	0·03	79	1·24		
Blackburn .. ..	133,052	-	-	115	0·86	55	0·41	26	0·20	9	0·07	85	0·64		
Blackpool .. ..	58,371	-	-	88	1·51	59	1·01	18	0·31	6	0·10	24	0·41		
Bolton .. ..	180,851	-	-	311	1·72	92	0·51	48	0·27	3	0·02	109	0·60		

\* The area of this district was altered during the year. No rates have been calculated.

† The remaining part of the Urban District of Sandgate forms part of the Borough of Folkestone.

X. Rochester

86/2·74



NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—*continued*.

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
County of Lancaster —continued.													
COUNTY BOROUGH:—													
Bootle .. .. .	69,876	—	—	190	2·72	58	0·83	11	0·16	2	0·03	33	0·47
*Burnley .. .. .	106,765	—	—	116	1·09	115	1·08	30	0·28	8	0·07	105	0·98
Bury .. .. .	59,040	—	—	138	2·34	13	0·22	6	0·10	6	0·10	41	0·69
*Liverpool .. .. .	746,421	2	0·00	2,833	3·80	977	1·31	96	0·13	39	0·05	859	1·15
Manchester .. .. .	714,333	1	0·00	2,088	2·92	568	0·80	274	0·38	133	0·19	433	0·61
Oldham .. .. .	147,483	—	—	361	2·45	48	0·33	18	0·12	10	0·07	99	0·67
*Preston .. .. .	117,088	—	—	591	5·05	237	2·02	47	0·40	2	0·02	51	0·44
Rochdale .. .. .	91,428	—	—	450	4·92	50	0·55	13	0·14	8	0·09	51	0·56
St. Helens .. .. .	96,551	—	—	833	8·63	135	1·40	43	0·45	3	0·03	93	0·96
Salford .. .. .	231,357	—	—	545	2·36	244	1·05	74	0·32	26	0·11	177	0·77
†Southport .. .. .	51,643	—	—	74	1·32	52	0·93	6	0·11	3	0·05	27	0·48
Warrington .. .. .	72,166	—	—	144	2·00	108	1·50	31	0·43	12	0·17	61	0·85
Wigan .. .. .	89,152	—	—	140	1·57	38	0·43	73	0·82	4	0·04	46	0·52
AGGREGATE OF BOROUGH AND URBAN DISTRICTS	1,498,315	1	0·00	4,100	2·74	1,117	0·75	569	0·38	109	0·07	924	0·62
AGGREGATE OF RURAL DISTRICTS.	240,170	—	—	728	3·03	273	1·09	61	0·25	17	0·07	118	0·49
BOROUGHS AND URBAN DISTRICTS:—													
Abram .. .. .	6,893	—	—	8	1·16	13	1·89	5	0·73	1	0·15	16	2·32
Accrington .. .. .	45,029	—	—	102	2·27	10	0·22	17	0·38	3	0·07	16	0·36
Adlington .. .. .	4,457	—	—	35	7·85	13	2·92	1	0·22	1	0·22	2	0·45
Allerton .. .. .	1,312	—	—	4	3·05	—	—	—	—	—	—	—	—
Ashton in Makerfield ..	21,543	—	—	36	1·67	27	1·25	14	0·65	7	0·32	13	0·60
Ashton under Lyne ..	45,172	—	—	41	0·91	15	0·33	32	0·71	2	0·04	49	1·08
Aspull .. .. .	8,276	—	—	101	12·20	18	2·17	31	3·75	2	0·24	8	0·97
Atherton .. .. .	18,982	—	—	53	2·79	10	0·53	7	0·37	—	—	17	0·90
Audenshaw .. .. .	7,977	—	—	18	2·26	3	0·38	2	0·25	—	—	3	0·38
Bacup .. .. .	22,318	—	—	14	0·63	19	0·85	4	0·18	3	0·13	18	0·81
Barrowford .. .. .	5,527	—	—	3	0·54	2	0·36	—	—	—	—	5	0·90
Billinge .. .. .	4,903	—	—	—	—	1	0·20	—	—	1	0·20	1	0·20
†Birkdale .. .. .	18,000	—	—	3	0·67	5	1·11	1	0·22	—	—	1	0·22
Bispham with Norbreck ..	2,244	—	—	2	0·89	4	1·78	—	—	—	—	1	0·45
Blackrod .. .. .	3,896	—	—	27	6·93	2	0·51	6	1·54	—	—	1	0·26
Brierfield .. .. .	8,259	—	—	11	1·33	2	0·24	9	1·09	1	0·12	5	0·61
Carnforth .. .. .	3,141	—	—	7	2·23	—	—	—	—	1	0·32	1	0·32
Chadderton .. .. .	28,299	—	—	56	1·98	8	0·28	5	0·18	2	0·07	22	0·78
Childwall .. .. .	193	—	—	—	—	2	10·10	—	—	—	—	—	—
Chorley .. .. .	30,315	—	—	198	6·53	21	0·69	4	0·13	2	0·07	11	0·36
Church .. .. .	6,888	—	—	21	3·05	7	1·02	3	0·44	—	—	7	1·02
Clayton le Moors .. .. .	8,868	—	—	4	0·45	9	1·01	7	0·79	—	—	5	0·56
Clitheroe .. .. .	12,500	—	—	9	0·72	14	1·12	3	0·24	1	0·08	6	0·48
Colne .. .. .	25,689	—	—	95	3·70	21	0·82	5	0·19	2	0·08	16	0·62
Crompton .. .. .	14,750	—	—	90	6·10	16	1·08	1	0·07	1	0·07	9	0·61
Croston .. .. .	2,041	—	—	18	8·82	3	1·47	—	—	—	—	1	0·49
Dalton in Furness .. .. .	10,763	—	—	57	5·30	3	0·28	2	0·19	—	—	8	0·74
Darwen .. .. .	40,332	—	—	9	0·22	19	0·47	3	0·07	2	0·05	31	0·77
Denton .. .. .	16,877	—	—	37	2·19	16	0·95	5	0·30	—	—	8	0·47
Droylsden .. .. .	13,259	—	—	32	2·41	15	1·13	7	0·53	3	0·23	10	0·75
Eccles .. .. .	41,944	—	—	83	1·98	28	0·67	16	0·38	2	0·05	20	0·48
Failsworth .. .. .	15,998	—	—	32	2·00	18	1·13	6	0·38	4	0·25	4	0·25
Farnworth .. .. .	28,131	—	—	97	3·45	2	0·07	16	0·57	—	—	15	0·53
Fleetwood .. .. .	15,875	—	—	21	1·32	21	1·32	—	—	1	0·06	3	0·19
Formby .. .. .	5,947	—	—	18	3·03	3	0·50	—	—	—	—	5	0·84
Fulwood .. .. .	6,578	1	0·15	20	3·04	2	0·30	2	0·30	—	—	2	0·30
Golborne .. .. .	6,931	—	—	1	0·14	2	0·29	2	0·29	—	—	5	0·72
Grange .. .. .	2,232	—	—	15	6·72	1	0·45	—	—	—	—	—	—
Great Crosby .. .. .	12,273	—	—	19	1·55	51	4·16	6	0·49	—	—	10	0·81
Great Harwood .. .. .	13,815	—	—	23	1·66	24	1·74	4	0·29	—	—	7	0·51
Haslingden .. .. .	18,719	—	—	72	3·85	11	0·59	4	0·21	—	—	25	1·34
Haydock .. .. .	9,649	—	—	55	5·70	5	0·52	5	0·52	2	0·21	11	1·14
Heaton Norris .. .. .	11,240	—	—	39	3·47	6	0·53	—	—	2	0·18	4	0·36
Heysham .. .. .	3,350	—	—	11	3·28	1	0·30	—	—	2	0·60	1	0·30
Heywood .. .. .	26,697	—	—	41	1·54	6	0·22	10	0·37	7	0·26	10	0·37
Hindley .. .. .	24,100	—	—	28	1·16	9	0·37	4	0·17	4	0·17	29	1·20
Horwich .. .. .	16,285	—	—	35	2·15	8	0·49	1	0·06	1	0·06	14	0·86
Hurst .. .. .	7,858	—	—	5	0·64	2	0·25	6	0·76	—	—	—	—

\* 3 cases of Typhus were notified at Burnley, 6 at Liverpool and 1 at Preston.

† On 1st April, 1912, the Urban District of Birkdale was abolished and its area added to the County Borough of Southport. The figures for Birkdale are for the period 31st December, 1911–30th March, 1912. Allowance has been made in the calculation of rates.



NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—*continued*.

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
<b>County of Lancaster</b> —continued.													
BOROUGHS AND URBAN DISTRICTS:—													
Huyton with Roby ..	4,559	—	—	4	0·88	2	0·44	—	—	—	—	—	—
Ince in Makerfield ..	22,034	—	—	47	2·13	5	0·23	23	1·04	2	0·09	21	0·95
Irlam .. ..	6,308	—	—	5	0·79	24	3·80	1	0·16	2	0·32	8	1·27
Kearsley .. ..	9,669	—	—	18	1·86	2	0·21	5	0·52	—	—	—	—
Kirkham .. ..	3,793	—	—	1	0·26	5	1·32	7	1·85	1	0·26	1	0·26
Lancaster .. ..	41,410	—	—	132	3·19	21	0·51	4	0·10	—	—	15	0·36
Lathom and Burscough..	7,235	—	—	99	13·68	11	1·52	5	0·69	—	—	7	0·97
Lees .. ..	3,650	—	—	10	2·74	—	—	—	—	—	—	3	0·82
Leigh .. ..	44,103	—	—	96	2·18	45	1·02	18	0·41	3	0·07	31	0·70
Leyland .. ..	8,088	—	—	64	7·91	6	0·74	—	—	1	0·12	9	1·11
Litherland .. ..	14,795	—	—	32	2·16	15	1·01	2	0·14	2	0·14	—	—
Littleborough .. ..	11,697	—	—	41	3·51	7	0·60	1	0·09	—	—	4	0·34
Little Crosby .. ..	844	—	—	1	1·18	1	1·18	—	—	—	—	2	2·37
Little Hulton .. ..	8,103	—	—	9	1·11	3	0·37	5	0·62	1	0·12	4	0·49
Little Lever .. ..	5,194	—	—	5	0·96	—	—	9	1·73	—	—	4	0·77
Little Woolton .. ..	1,102	—	—	5	4·54	—	—	—	—	—	—	—	—
Longridge .. ..	4,340	—	—	10	2·30	13	3·00	—	—	—	—	3	0·69
Lytham .. ..	9,463	—	—	18	1·90	3	0·32	4	0·42	—	—	—	—
Middleton .. ..	27,980	—	—	36	1·29	3	0·11	6	0·21	2	0·07	9	0·32
Milnrow .. ..	8,584	—	—	23	2·68	7	0·82	2	0·23	2	0·23	7	0·82
Morecambe .. ..	12,131	—	—	35	2·89	7	0·58	4	0·33	—	—	11	0·91
Mossley .. ..	13,205	—	—	51	3·86	3	0·23	2	0·15	—	—	2	0·15
Much Woolton .. ..	4,320	—	—	29	6·71	2	0·46	—	—	—	—	3	0·69
Nelson .. ..	39,479	—	—	30	0·76	9	0·23	6	0·15	—	—	17	0·43
Newton in Makerfield ..	18,451	—	—	39	2·11	43	2·33	2	0·11	2	0·11	28	1·52
Norden .. ..	3,797	—	—	—	—	1	0·26	1	0·26	—	—	1	0·26
Ormskirk .. ..	7,407	—	—	157	21·20	2	0·27	2	0·27	1	0·14	3	0·41
Orrell .. ..	6,318	—	—	4	0·63	5	0·79	6	0·95	2	0·32	5	1·79
Oswaldtwistle .. ..	15,714	—	—	77	4·90	27	1·72	7	0·45	2	0·13	6	0·38
Padiham .. ..	13,635	—	—	31	2·27	6	0·44	6	0·44	—	—	11	0·81
Poulton le Fylde .. ..	2,424	—	—	1	0·41	2	0·83	—	—	—	—	—	—
Preesall with Hackinsall	1,718	—	—	—	—	3	1·75	—	—	—	—	1	0·58
Prescot .. ..	8,154	—	—	31	3·80	10	1·23	—	—	—	—	8	0·98
Prestwich .. ..	17,195	—	—	31	1·80	3	0·17	37	2·15	—	—	4	0·23
Radcliffe .. ..	25,692	—	—	24	0·93	15	0·58	15	0·58	4	0·16	24	0·93
Rainford .. ..	3,503	—	—	1	0·29	—	—	—	—	—	—	3	0·86
Ramsbottom .. ..	15,146	—	—	6	0·40	11	0·73	22	1·45	2	0·13	6	0·40
Rawtenstall.. ..	30,516	—	—	76	2·49	19	0·61	2	0·07	1	0·03	18	0·59
Rishton .. ..	7,441	—	—	14	1·88	3	0·40	2	0·27	1	0·13	6	0·81
Royton .. ..	17,069	—	—	29	1·70	3	0·18	1	0·06	5	0·29	9	0·53
St. Anne's on the Sea ..	9,837	—	—	22	2·24	2	0·20	2	0·20	—	—	4	0·41
Skelmersdale .. ..	6,822	—	—	10	1·47	—	—	3	0·44	—	—	4	0·59
Standish with Langtree	7,280	—	—	12	1·65	11	1·51	5	0·69	—	—	21	2·88
Stretford .. ..	42,496	—	—	107	2·52	30	0·71	7	0·16	4	0·09	14	0·33
Swinton and Pendlebury	30,759	—	—	59	1·92	47	1·53	18	0·59	2	0·07	34	1·11
Thornton .. ..	4,669	—	—	15	3·21	1	0·21	—	—	—	—	—	—
Tottington .. ..	6,769	—	—	4	0·59	2	0·30	1	0·15	1	0·15	2	0·30
Trawden .. ..	2,963	—	—	—	—	3	1·01	1	0·34	—	—	3	1·01
Turton .. ..	12,648	—	—	17	1·34	9	0·71	1	0·08	—	—	8	0·63
Tyldesley with Shakerley	15,582	—	—	35	2·25	27	1·73	24	1·54	—	—	5	0·32
Ulverston .. ..	9,552	—	—	124	12·98	6	0·63	—	—	—	—	5	0·52
Upholland .. ..	5,233	—	—	1	0·19	2	0·38	4	0·76	1	0·19	3	0·57
Urmston .. ..	7,912	—	—	22	2·78	12	1·52	—	—	1	0·13	3	0·38
Walton le Dale .. ..	12,350	—	—	144	11·66	20	1·62	3	0·24	2	0·16	10	0·81
Wardle .. ..	4,720	—	—	2	0·42	3	0·64	—	—	—	—	—	—
Waterloo with Seaforth	26,396	—	—	68	2·58	28	1·06	9	0·34	1	0·04	14	0·53
Westhoughton .. ..	15,046	—	—	64	4·25	8	0·53	10	0·66	—	—	10	0·66
Whitefield .. ..	6,967	—	—	7	1·00	1	0·14	—	—	—	—	3	0·43
Whitworth .. ..	8,872	—	—	13	1·47	11	1·24	3	0·34	—	—	14	1·58
Widnes .. ..	31,541	—	—	208	6·59	42	1·33	10	0·32	1	0·03	13	0·41
Withnell .. ..	3,399	—	—	118	34·72	—	—	—	—	—	—	1	0·29
Worsley .. ..	13,906	—	—	20	1·44	7	0·50	5	0·36	—	—	3	0·22
RURAL DISTRICTS:—													
Barton upon Irwell ..	9,270	—	—	32	3·45	7	0·76	1	0·11	1	0·11	3	0·32
Blackburn .. ..	9,435	—	—	6	0·64	34	3·60	2	0·21	2	0·21	2	0·21
Burnley .. ..	19,848	—	—	18	0·91	23	1·16	6	0·30	2	0·10	10	0·50
Bury .. ..	9,043	—	—	3	0·33	1	0·11	6	0·66	—	—	1	0·17
Chorley .. ..	21,493	—	—	168	7·82	31	1·44	4	0·19	3	0·14	10	0·47
Clitheroe .. ..	6,342	—	—	4	0·63	27	4·26	2	0·32	—	—	2	0·32



NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—*continued.*

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
<b>County of Lancaster</b> —continued.													
RURAL DISTRICTS:—													
Fylde .. .. .	11,578	—	—	22	1·90	17	1·47	3	0·26	1	0·09	5	0·43
Garstang .. .. .	10,691	—	—	32	2·99	3	0·28	1	0·09	—	—	6	0·56
Laneaster .. .. .	9,085	—	—	14	1·54	2	0·22	2	0·22	—	—	4	0·44
Leigh .. .. .	10,077	—	—	14	1·39	11	1·09	7	0·69	1	0·10	13	1·29
Limehurst .. .. .	10,566	—	—	18	1·70	3	0·28	3	0·28	1	0·09	7	0·66
Lunesdale .. .. .	6,882	—	—	31	4·50	10	1·45	1	0·15	—	—	3	0·44
Preston .. .. .	20,933	—	—	55	2·63	10	0·48	7	0·33	2	0·10	2	0·10
Sefton.. .. .	5,953	—	—	9	1·51	7	1·18	—	—	—	—	4	0·67
Ulverston .. .. .	17,019	—	—	66	3·88	25	1·47	—	—	1	0·06	7	0·41
Warrington .. .. .	13,745	—	—	27	1·96	4	0·29	3	0·22	1	0·07	10	0·73
West Lancashire .. .. .	20,683	—	—	93	4·50	23	1·11	3	0·15	2	0·10	8	0·39
Whiston .. .. .	21,200	—	—	98	4·62	30	1·42	6	0·28	—	—	5	0·24
Wigan.. .. .	6,327	—	—	18	2·84	5	0·79	4	0·63	—	—	16	2·53
<b>County of Leicester.</b>													
ADMINISTRATIVE COUNTY	249,331	—	—	901	3·61	290	1·16	66	0·26	4	0·02	169	0·68
COUNTY BOROUGH:—													
Leicester .. .. .	227,222	—	—	1277	5·62	219	0·96	54	0·24	9	0·04	164	0·72
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	98,519	—	—	256	2·60	142	1·44	28	0·28	2	0·02	77	0·78
AGGREGATE OF RURAL DISTRICTS.	150,812	—	—	645	4·28	148	0·98	38	0·25	2	0·01	92	0·61
BOROUGHES AND URBAN DISTRICTS:—													
Ashby de la Zouch .. .. .	4,927	—	—	6	1·22	5	1·01	1	0·20	1	0·20	—	—
Ashby Wolds .. .. .	2,783	—	—	27	9·70	—	—	—	—	—	—	1	0·36
*Coalville .. .. .	18,548	—	—	27	—	45	—	6	—	—	—	13	—
Hinckley .. .. .	12,837	—	—	81	6·31	—	—	13	1·01	—	—	19	1·48
Loughborough .. .. .	22,990	—	—	44	1·91	6	0·26	2	0·09	—	—	16	0·70
Market Harborough .. .. .	8,853	—	—	3	0·34	28	3·16	2	0·23	1	0·11	6	0·68
Melton Mowbray .. .. .	9,202	—	—	19	2·06	32	3·48	3	0·33	—	—	12	1·30
Quorndon .. .. .	2,363	—	—	7	2·96	2	0·85	1	0·42	—	—	1	0·42
Shepshed .. .. .	5,542	—	—	5	0·90	1	0·18	—	—	—	—	4	0·72
Thurmaston .. .. .	1,824	—	—	6	3·29	2	1·10	—	—	—	—	—	—
Wigston Magna .. .. .	8,650	—	—	31	3·58	21	2·43	—	—	—	—	5	0·58
RURAL DISTRICTS:—													
*Ashby de la Zouch .. .. .	16,255	—	—	56	—	19	—	5	—	—	—	6	—
Barrow upon Soar .. .. .	23,758	—	—	128	5·39	10	0·42	2	0·08	1	0·04	33	1·39
Belvoir .. .. .	3,255	—	—	11	3·38	3	0·92	1	0·31	—	—	—	—
Billesdon .. .. .	6,913	—	—	7	1·01	1	0·14	3	0·43	—	—	1	0·14
Blaby .. .. .	19,114	—	—	166	8·68	41	2·15	3	0·16	—	—	13	0·68
Castle Donington .. .. .	6,416	—	—	32	4·99	1	0·16	—	—	—	—	1	0·16
Hallaton .. .. .	1,867	—	—	—	—	1	0·54	—	—	—	—	1	0·54
Hinekley .. .. .	13,825	—	—	71	5·14	1	0·07	8	0·58	1	0·07	6	0·43
Loughborough .. .. .	4,579	—	—	7	1·53	3	0·66	3	0·66	—	—	—	—
Lutterworth .. .. .	9,931	—	—	12	1·21	5	0·50	3	0·30	—	—	5	0·50
Market Bosworth.. .. .	21,858	—	—	118	5·40	17	0·78	—	—	—	—	14	0·64
Market Harborough .. .. .	7,770	—	—	11	1·42	19	2·45	1	0·13	—	—	—	—
Melton Mowbray .. .. .	15,271	—	—	26	1·70	27	1·77	9	0·59	—	—	12	0·79
<b>County of Lincoln, Parts of Holland.</b>													
ADMINISTRATIVE COUNTY	82,849	—	—	148	1·79	99	1·19	17	0·21	4	0·05	30	0·36
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	37,233	—	—	64	1·72	78	2·09	10	0·27	3	0·08	15	0·40
AGGREGATE OF RURAL DISTRICTS.	45,616	—	—	84	1·84	21	0·46	7	0·15	1	0·02	15	0·33
BOROUGHES AND URBAN DISTRICTS:—													
Boston .. .. .	16,673	—	—	40	2·40	21	1·26	9	0·54	2	0·12	12	0·72
Holbeach .. .. .	5,259	—	—	12	2·28	54	10·27	—	—	—	—	1	0·19
Long Sutton .. .. .	2,837	—	—	10	3·53	3	1·06	—	—	—	—	—	—
Spalding .. .. .	10,308	—	—	2	0·19	—	—	1	0·10	1	0·10	2	0·19
Sutton Bridge .. .. .	2,156	—	—	—	—	—	—	—	—	—	—	—	—

\* The area of this district was altered during the year. No rates have been calculated.

NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—*continued.*

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
<b>County of Lincoln, Parts of Holland— continued.</b>													
RURAL DISTRICTS:—													
Boston .. .. .	21,057	-	-	37	1·76	6	0·28	5	0·24	1	0·05	11	0·52
Crowland .. .. .	2,683	-	-	-	-	3	1·12	-	-	-	-	2	0·75
East Elloe .. .. .	8,690	-	-	11	1·27	12	1·38	1	0·12	-	-	1	0·12
Spalding .. .. .	13,186	-	-	36	2·73	-	-	1	0·08	-	-	1	0·08
<b>County of Lincoln, Parts of Kesteven.</b>													
ADMINISTRATIVE COUNTY	111,324	-	-	189	1·70	155	1·39	14	0·13	3	0·03	45	0·40
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	43,982	-	-	39	0·89	83	1·89	6	0·14	1	0·02	20	0·45
AGGREGATE OF RURAL DISTRICTS.	67,342	-	-	150	2·23	72	1·07	8	0·12	2	0·03	25	0·37
BOROUGHES AND URBAN DISTRICTS:—													
Bourne .. .. .	4,343	-	-	4	0·92	2	0·46	5	1·15	-	-	2	0·46
Bracebridge.. .. .	2,281	-	-	3	1·32	2	0·88	-	-	-	-	-	-
Grantham .. .. .	20,070	-	-	12	0·60	55	2·74	-	-	-	-	13	0·65
Ruskington .. .. .	1,214	-	-	6	4·94	-	-	-	-	-	-	-	-
Sleaford .. .. .	6,427	-	-	8	1·24	17	2·65	-	-	-	-	2	0·31
Stamford .. .. .	9,647	-	-	6	0·62	7	0·73	1	0·10	1	0·10	3	0·31
RURAL DISTRICTS:—													
Bourne .. .. .	13,391	-	-	54	4·03	7	0·52	4	0·30	-	-	4	0·30
Branston .. .. .	14,913	-	-	12	0·80	22	1·48	2	0·13	-	-	4	0·27
Claypole .. .. .	7,968	-	-	27	3·39	17	2·13	-	-	1	0·13	9	1·13
Grantham .. .. .	12,257	-	-	17	1·39	12	0·98	-	-	-	-	3	0·24
Sleaford .. .. .	17,269	-	-	40	2·32	14	0·81	2	0·12	1	0·05	5	0·29
Uffington .. .. .	1,544	-	-	-	-	-	-	-	-	-	-	-	-
<b>County of Lincoln, Parts of Lindsey.</b>													
ADMINISTRATIVE COUNTY	237,843	-	-	400	1·68	209	0·88	48	0·20	11	0·05	90	0·38
COUNTY BOROUGHES:—													
Grimsby .. .. .	74,659	-	-	190	2·54	139	1·86	18	0·24	3	0·04	30	0·40
Lincoln .. .. .	57,285	-	-	95	1·66	123	2·15	12	0·21	-	-	33	0·58
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	96,120	-	-	200	2·08	108	1·12	23	0·24	4	0·04	54	0·56
AGGREGATE OF RURAL DISTRICTS.	141,723	-	-	200	1·41	101	0·71	25	0·18	7	0·05	36	0·25
BOROUGHES AND URBAN DISTRICTS:—													
Alford.. .. .	2,394	-	-	2	0·84	-	-	1	0·42	-	-	1	0·42
Barton upon Humber ..	6,673	-	-	17	2·55	5	0·75	1	0·15	-	-	12	1·80
Brigg .. .. .	3,343	-	-	-	-	6	1·79	2	0·60	-	-	5	1·50
Broughton .. .. .	1,381	-	-	-	-	-	-	1	0·72	1	0·72	-	-
Brumby and Frodingham	2,931	-	-	11	3·75	1	0·34	-	-	-	-	3	1·02
Cleethorpe with Thrunscoe.	21,417	-	-	54	2·52	62	2·89	6	0·28	-	-	6	0·28
Crowle .. .. .	2,853	-	-	-	-	-	-	1	0·35	-	-	5	1·75
Gainsborough .. .. .	20,587	-	-	39	1·89	2	0·10	2	0·10	1	0·05	4	0·19
Horncastle .. .. .	3,900	-	-	6	1·54	1	0·26	-	-	-	-	2	0·51
Louth .. .. .	9,880	-	-	9	0·91	3	0·30	-	-	-	-	9	0·91
Mablethorpe .. .. .	1,232	-	-	4	3·25	1	0·81	-	-	-	-	2	1·62
Market Rasen .. .. .	2,296	-	-	7	3·05	2	0·87	-	-	-	-	-	-
Roxby cum Risby .. ..	378	-	-	-	-	-	-	-	-	-	-	-	-
Scunthorpe .. .. .	10,170	-	-	42	4·13	3	0·29	-	-	1	0·10	4	0·39
Skegness .. .. .	3,775	-	-	6	1·59	22	5·83	-	-	-	-	1	0·26
Winterton .. .. .	1,426	-	-	-	-	-	-	8	5·61	1	0·70	-	-
Woodhall Spa .. .. .	1,484	-	-	3	2·02	-	-	1	0·67	-	-	-	-



NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—*continued.*

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
County of Lincoln, Parts of Lindsey— continued.													
RURAL DISTRICTS:—													
Caistor .. ..	13,146	-	-	30	2·28	4	0·30	1	0·08	-	-	2	0·15
Gainsborough .. ..	14,743	-	-	20	1·36	15	1·02	3	0·20	-	-	7	0·47
Glanford Brigg .. ..	29,895	-	-	35	1·17	22	0·74	10	0·33	3	0·10	6	0·20
Grimsby .. ..	10,629	-	-	5	0·47	11	1·03	1	0·09	1	0·09	4	0·38
Horncastle .. ..	13,102	-	-	19	1·45	5	0·38	1	0·08	1	0·08	2	0·15
Isle of Axholme .. ..	6,815	-	-	-	-	-	-	2	0·29	-	-	2	0·29
Louth .. ..	18,285	-	-	9	0·49	5	0·27	1	0·05	-	-	3	0·16
Sibsey .. ..	2,985	-	-	9	3·02	2	0·67	1	0·34	1	0·34	1	0·34
Spilsby .. ..	21,012	-	-	34	1·62	27	1·28	4	0·19	1	0·05	4	0·19
Welton .. ..	11,111	-	-	39	3·51	10	0·90	1	0·09	-	-	5	0·45
County of Middlesex.													
ADMINISTRATIVE COUNTY	1,126,465	1	0·00	2,965	2·63	1,474	1·31	121	0·11	66	0·06	665	0·59
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	1,078,334	1	0·00	2,866	2·66	1,436	1·33	113	0·10	62	0·06	639	0·59
AGGREGATE OF RURAL DISTRICTS.	48,131	-	-	99	2·06	38	0·79	8	0·17	4	0·08	26	0·54
BOROUGHES AND URBAN DISTRICTS:—													
Acton .. ..	57,497	-	-	318	5·53	101	1·76	9	0·16	3	0·05	42	0·73
*Brentford .. ..	16,496	-	-	63	3·82	22	1·33	8	0·48	3	0·18	10	0·61
*Chiswick .. ..	38,772	-	-	48	1·24	25	0·64	4	0·10	6	0·15	22	0·57
Ealing .. ..	61,222	-	-	185	3·02	56	0·91	4	0·07	-	-	31	0·51
Edmonton .. ..	64,797	-	-	221	3·41	141	2·18	14	0·22	4	0·06	58	0·90
Enfield .. ..	56,338	-	-	97	1·72	79	1·40	2	0·04	7	0·12	40	0·71
Feltham .. ..	5,135	-	-	2	0·39	5	0·97	1	0·19	1	0·19	8	1·56
Finchley .. ..	39,419	-	-	68	1·73	75	1·90	5	0·13	-	-	17	0·43
Friern Barnet .. ..	14,924	-	-	22	1·47	8	0·54	-	-	-	-	6	0·40
Greenford .. ..	1,064	-	-	4	3·76	-	-	-	-	-	-	-	-
Hampton .. ..	9,220	-	-	17	1·84	3	0·33	-	-	4	0·43	9	0·98
Hampton Wick .. ..	2,417	-	-	1	0·41	7	2·90	-	-	-	-	3	1·24
Hanwell .. ..	19,129	-	-	58	3·03	34	1·78	-	-	2	0·10	20	1·05
Harrow on the Hill .. ..	17,074	-	-	75	4·39	12	0·70	2	0·12	1	0·06	4	0·23
Hayes .. ..	4,261	-	-	6	1·41	2	0·47	-	-	-	-	2	0·47
Hendon .. ..	38,806	-	-	148	3·81	35	0·90	5	0·13	3	0·08	17	0·44
Heston and Isleworth .. ..	43,313	-	-	93	2·26	25	0·58	3	0·07	2	0·05	32	0·74
Hornsey .. ..	84,592	-	-	140	1·66	87	1·03	7	0·08	3	0·04	38	0·45
Kingsbury .. ..	821	-	-	6	7·31	-	-	-	-	-	-	-	-
Ruislip Northwood .. ..	6,217	-	-	2	0·32	-	-	1	0·16	-	-	2	0·32
Southall Norwood .. ..	26,323	-	-	49	1·86	41	1·56	3	0·11	1	0·04	8	0·30
Southgate .. ..	33,612	-	-	141	4·19	32	0·95	5	0·15	1	0·03	16	0·48
Staines .. ..	6,755	-	-	12	1·78	-	-	2	0·30	-	-	4	0·59
Sunbury on Thames .. ..	4,607	-	-	5	1·09	-	-	-	-	-	-	6	1·30
Teddington .. ..	17,847	-	-	35	1·95	26	1·46	1	0·06	-	-	9	0·50
Tottenham .. ..	137,418	-	-	328	2·39	196	1·43	16	0·12	4	0·03	74	0·54
Twickenham .. ..	29,367	-	-	28	0·95	89	3·03	2	0·07	6	0·20	10	0·34
Uxbridge .. ..	10,374	-	-	10	0·96	17	1·64	-	-	-	-	1	0·10
Wealdstone .. ..	11,923	-	-	100	8·39	27	2·26	-	-	-	-	6	0·50
Wembley .. ..	10,696	-	-	25	2·34	8	0·75	-	-	-	-	5	0·47
Willesden .. ..	154,214	1	0·01	429	2·78	223	1·45	13	0·08	10	0·06	108	0·70
Wood Green .. ..	49,369	-	-	124	2·51	55	1·11	6	0·12	1	0·02	29	0·59
Yiewsley .. ..	4,315	-	-	1	0·23	5	1·16	-	-	-	-	2	0·46
RURAL DISTRICTS:—													
Hendon .. ..	14,160	-	-	67	4·73	18	1·27	1	0·07	1	0·07	4	0·28
South Mimms .. ..	2,805	-	-	4	1·43	1	0·36	-	-	-	-	-	-
Staines .. ..	21,926	-	-	16	0·73	10	0·46	7	0·32	2	0·09	15	0·68
Uxbridge .. ..	9,240	-	-	12	1·30	9	0·97	-	-	1	0·11	7	0·76

\* On 1st April, 1912, a small change was made in the boundary between the Urban Districts of Brentford and Chiswick. The populations shown above relate to the areas as altered.

## NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—continued.

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
<b>County of Norfolk.</b>													
ADMINISTRATIVE COUNTY	321,733	-	-	628	1'95	288	0'90	96	0'30	9	0'03	108	0'34
COUNTY BOROUGHS:--													
Great Yarmouth .. ..	55,905	-	-	105	1'88	44	0'79	32	0'57	2	0'04	25	0'45
Norwich .. ..	121,478	-	-	415	3'42	253	2'08	44	0'36	-	-	82	0'68
AGGREGATE OF BOROUGH AND URBAN DISTRICTS.	60,885	-	-	104	1'71	86	1'41	24	0'39	2	0'03	27	0'44
AGGREGATE OF RURAL DISTRICTS.	260,848	-	-	524	2'01	202	0'77	72	0'28	7	0'03	81	0'31
BOROUGH AND URBAN DISTRICTS:--													
Cromer .. ..	4,073	-	-	2	0'49	3	0'74	1	0'25	-	-	1	0'25
Diss .. ..	3,769	-	-	1	0'27	-	-	-	-	-	-	2	0'53
Downham Market .. ..	2,497	-	-	-	-	-	-	2	0'80	-	-	1	0'40
East Dereham .. ..	5,729	-	-	11	1'92	-	-	1	0'17	-	-	-	-
King's Lynn .. ..	20,201	-	-	38	1'88	34	1'68	18	0'89	1	0'05	12	0'59
New Hunstanton .. ..	2,511	-	-	-	-	1	0'40	-	-	-	-	1	0'40
North Walsham .. ..	4,254	-	-	10	2'35	45	10'58	1	0'24	1	0'24	3	0'71
Sheringham .. ..	3,376	-	-	22	6'52	-	-	-	-	-	-	3	0'89
Swaffham .. ..	3,234	-	-	3	0'93	-	-	-	-	-	-	1	0'31
Thetford .. ..	4,778	-	-	5	1'05	1	0'21	-	-	-	-	3	0'63
Walsoken .. ..	3,898	-	-	5	1'28	2	0'51	1	0'26	-	-	-	-
Wells .. ..	2,565	-	-	7	2'73	-	-	-	-	-	-	-	-
RURAL DISTRICTS:--													
Aylsham .. ..	17,344	-	-	50	2'88	16	0'92	4	0'23	1	0'06	10	0'58
Blofield .. ..	12,159	-	-	33	2'71	14	1'15	8	0'66	-	-	3	0'25
Depwade .. ..	19,933	-	-	40	2'01	2	0'10	2	0'10	1	0'05	6	0'30
Docking .. ..	16,942	-	-	3	0'18	14	0'83	6	0'35	1	0'06	10	0'59
Downham .. ..	15,527	-	-	1	0'06	2	0'13	14	0'90	1	0'06	5	0'32
East and West Flegg .. ..	9,929	-	-	6	0'60	11	1'11	3	0'30	-	-	2	0'20
Erpingham .. ..	17,137	-	-	13	0'76	18	1'05	3	0'18	-	-	3	0'18
Forehoe .. ..	11,383	-	-	17	1'49	5	0'44	4	0'35	-	-	2	0'18
Freebridge Lynn .. ..	12,106	-	-	18	1'49	6	0'50	4	0'33	-	-	3	0'25
Henstead .. ..	10,285	-	-	75	7'29	9	0'88	2	0'19	-	-	1	0'10
King's Lynn .. ..	935	-	-	-	-	2	2'14	-	-	-	-	-	-
Loddon and Clavering .. ..	12,550	-	-	28	2'23	17	1'35	-	-	-	-	7	0'56
Marshland .. ..	12,382	-	-	14	1'13	13	1'05	1	0'08	-	-	5	0'40
Mitford and Launditch .. ..	18,698	-	-	46	2'46	16	0'86	5	0'27	-	-	4	0'21
St. Faiths .. ..	10,807	-	-	43	3'98	8	0'74	6	0'56	-	-	6	0'56
Smallburgh .. ..	13,424	-	-	32	2'38	15	1'12	4	0'30	3	0'22	8	0'60
Swaffham .. ..	7,571	-	-	11	1'45	4	0'53	-	-	-	-	1	0'13
Thetford .. ..	10,061	-	-	7	0'70	4	0'38	2	0'20	-	-	-	-
Walsingham .. ..	17,250	-	-	69	4'00	23	1'33	3	0'17	-	-	3	0'17
Wayland .. ..	14,425	-	-	18	1'25	3	0'21	1	0'07	-	-	2	0'14
<b>County of Northampton.</b>													
ADMINISTRATIVE COUNTY	213,733	-	-	837	3'92	255	1'19	31	0'15	8	0'04	110	0'51
COUNTY BOROUGH:--													
Northampton .. ..	90,064	-	-	279	3'10	63	0'70	16	0'18	4	0'04	71	0'79
AGGREGATE OF BOROUGH AND URBAN DISTRICTS.	95,496	-	-	548	5'74	135	1'41	11	0'12	4	0'04	53	0'55
AGGREGATE OF RURAL DISTRICTS.	118,237	-	-	289	2'44	120	1'01	20	0'17	4	0'03	57	0'48
BOROUGH AND URBAN DISTRICTS:--													
Brackley .. ..	2,633	-	-	5	1'90	-	-	-	-	-	-	-	-
Davenry .. ..	3,516	-	-	4	1'14	1	0'28	-	-	-	-	3	0'85
Desborough .. ..	4,092	-	-	3	0'73	1	0'24	1	0'24	-	-	-	-
Finedon .. ..	3,782	-	-	2	0'53	-	-	2	0'53	-	-	2	0'53
Higham Ferrers .. ..	2,726	-	-	10	3'67	1	0'37	-	-	-	-	-	-
Irthlingborough .. ..	4,630	-	-	4	0'86	-	-	-	-	-	-	-	-
Kettering .. ..	29,972	-	-	338	11'28	89	2'97	6	0'20	1	0'03	25	0'83
Oundle .. ..	2,749	-	-	3	1'09	1	0'36	-	-	-	-	4	1'46
Raunds .. ..	3,873	-	-	22	5'68	3	0'77	-	-	-	-	1	0'26
Rothwell .. ..	4,416	-	-	4	0'91	2	0'45	-	-	-	-	1	0'23
Rushden .. ..	13,354	-	-	101	7'56	22	1'65	-	-	3	0'22	6	0'45
Wellingborough .. ..	19,753	-	-	52	2'63	15	0'76	2	0'10	-	-	11	0'56



NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—*continued*.

	Population (1911 Census).	Small-pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
<b>County of Northamp- ton—continued.</b>													
RURAL DISTRICTS:—													
Brackley .. ..	7,207	-	-	21	2·91	8	1·11	-	-	-	-	2	0·28
Brixworth .. ..	11,833	-	-	30	2·54	9	0·76	1	0·08	-	-	7	0·59
Crick .. ..	2,342	-	-	1	0·43	1	0·43	1	0·43	-	-	-	-
Daventry .. ..	13,809	-	-	19	1·38	5	0·36	1	0·07	-	-	3	0·22
Easton on the Hill ..	1,542	-	-	2	1·30	-	-	-	-	-	-	-	-
Gretton .. ..	1,531	-	-	6	3·92	6	3·92	-	-	1	0·65	-	-
Hardingstone .. ..	7,568	-	-	3	0·40	13	1·72	-	-	-	-	2	0·26
Kettering .. ..	12,895	-	-	64	4·96	30	2·33	10	0·78	-	-	10	0·78
Middletown Cheney ..	2,574	-	-	1	0·39	1	0·39	1	0·39	-	-	-	-
Northampton .. ..	6,699	-	-	-	-	2	0·30	-	-	1	0·15	2	0·30
*Oundle (part of) ..	7,047	-	-	18	2·55	4	0·57	1	0·14	-	-	4	0·57
Oxendon .. ..	4,276	-	-	-	-	-	-	-	-	-	-	-	-
Potterspury .. ..	5,189	-	-	3	0·58	11	2·12	2	0·39	-	-	3	0·58
*Thrapston (part of) ..	10,649	-	-	61	5·73	-	-	-	-	1	0·09	5	0·47
Towcester .. ..	10,482	-	-	3	0·29	19	1·81	-	-	-	-	3	0·29
Wellingborough .. ..	12,594	-	-	57	4·53	11	0·87	3	0·24	1	0·08	16	1·27
<b>County of Peter- borough, Soke of.</b>													
ADMINISTRATIVE COUNTY	44,718	-	-	71	1·59	79	1·77	1	0·02	1	0·02	13	0·29
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	33,574	-	-	58	1·73	62	1·85	1	0·03	1	0·03	10	0·30
AGGREGATE OF RURAL DISTRICTS.	11,144	-	-	13	1·17	17	1·53	-	-	-	-	3	0·27
BOROUGHES AND URBAN DISTRICTS:—													
Peterborough .. ..	33,574	-	-	58	1·73	62	1·85	1	0·03	1	0·03	10	0·30
RURAL DISTRICTS:—													
Barnack .. ..	2,097	-	-	2	0·95	-	-	-	-	-	-	2	0·95
Peterborough .. ..	9,047	-	-	11	1·22	17	1·88	-	-	-	-	1	0·11
<b>County of Northumberland.</b>													
ADMINISTRATIVE COUNTY	371,474†	-	-	1,815	4·89	545	1·47	132	0·36	14	0·04	203	0·55
COUNTY BOROUGHES:—													
Newcastle upon Tyne ..	266,603	-	-	1,181	4·43	495	1·86	81	0·30	6	0·02	155	0·58
Tynemouth .. ..	58,816	1	0·02	198	3·37	63	1·07	11	0·19	2	0·03	46	0·78
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	269,876	-	-	1,581	5·99	442	1·67	118	0·45	13	0·05	145	0·55
AGGREGATE OF RURAL DISTRICTS.	101,590	-	-	234	2·18	103	0·96	14	0·13	1	0·01	58	0·54
BOROUGHES AND URBAN DISTRICTS:—													
Albion .. ..	7,041	-	-	2	0·28	6	0·85	-	-	-	-	2	0·28
Amble .. ..	4,881	-	-	19	3·89	2	0·41	-	-	2	0·41	3	0·61
Ashington .. ..	24,583	-	-	227	9·23	18	0·73	20	0·81	1	0·04	18	0·73
Bedlingtonshire .. ..	25,440	-	-	447	17·57	19	0·75	30	1·18	3	0·12	10	0·39
Berwick upon Tweed ..	13,075	-	-	21	1·61	35	2·68	2	0·15	-	-	8	0·61
†Blyth .. ..	30,591	-	-	210	7·00	82	2·73	9	0·30	-	-	24	0·80
†Cramlington .. ..	8,093	-	-	20	2·61	4	0·52	4	0·52	-	-	3	0·39
Earsdon .. ..	10,568	-	-	55	5·20	17	1·61	7	0·66	1	0·09	2	0·19
Gosforth .. ..	15,490	-	-	46	2·97	25	1·61	5	0·32	-	-	3	0·19
Hexham .. ..	8,417	-	-	41	4·87	-	-	-	-	-	-	2	0·24
†Longbenton .. ..	12,443	-	-	63	6·77	11	1·18	2	0·21	-	-	6	0·64
Morpeth .. ..	7,433	-	-	41	5·52	3	0·40	3	0·40	-	-	-	-
Newbiggin by the Sea ..	3,466	-	-	18	5·19	6	1·73	-	-	-	-	1	0·29

\* The remaining parts of the Rural Districts of Oundle and Thrapston are in the Administrative County of Huntingdon. The figures for the entire Districts are as follows:—

Oundle .. ..	8,187	-	-	19	2·32	4	0·49	1	0·12	-	-	4	0·49
Thrapston .. ..	11,512	-	-	61	5·30	-	-	-	-	1	0·09	5	0·43

† Including Moot Hall and precincts—population, 8.

‡ On 1st April, 1912, the Rural District of Tynemouth was abolished, some of its parishes being transferred to the Urban Districts of Blyth, Cramlington, and Whitley and Monkseaton. The remainder of its parishes constituted the Urban Districts of Longbenton and Seaton Delaval. The figures for the Rural District of Tynemouth are for the period 31st December, 1911—30th March, 1912, and for the purposes of the aggregates are included with the aggregate of Boroughs and Urban Districts. Allowance has been made in calculating the rates.



## NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—continued.

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
County of Northum- berland—continued.													
BOROUGHS AND URBAN DISTRICTS:—													
Newburn .. ..	17,155	-	-	67	3·91	41	2·39	7	0·41	1	0·06	10	0·58
Prudhoe .. ..	8,212	-	-	10	1·22	4	0·49	-	-	1	0·12	2	0·24
Rothbury .. ..	1,147	-	-	2	1·74	-	-	-	-	-	-	-	-
*Seaton Delaval .. ..	7,174	-	-	35	6·52	-	-	1	0·19	-	-	6	1·12
Seghill .. ..	2,049	-	-	8	3·90	-	-	-	-	-	-	2	0·98
Wallsend .. ..	41,461	-	-	103	2·48	138	3·33	23	0·55	3	0·07	21	0·51
Weetslade .. ..	6,700	-	-	60	8·96	-	-	2	0·30	-	-	7	1·04
*Whitley and Monkseaton	14,457	-	-	52	3·60	22	1·52	3	0·21	1	0·07	7	0·48
RURAL DISTRICTS:—													
Alnwick .. ..	12,159	-	-	29	2·39	5	0·41	7	0·58	-	-	7	0·58
Belford .. ..	5,006	-	-	1	0·20	5	1·00	-	-	-	-	9	1·80
Bellingham .. ..	5,749	-	-	8	1·39	6	1·04	-	-	-	-	2	0·35
Castle Ward.. ..	11,921	-	-	32	2·68	17	1·43	-	-	-	-	4	0·34
Glendale .. ..	8,579	-	-	10	1·17	9	1·05	2	0·23	-	-	-	-
Haltwistle .. ..	8,545	-	-	10	1·17	12	1·40	-	-	-	-	8	0·94
Hexham .. ..	21,887	-	-	47	2·15	17	0·78	3	0·14	1	0·05	14	0·64
Morpeth .. ..	17,308	-	-	70	4·04	17	0·98	2	0·12	-	-	9	0·52
Norham and Islandshires.	5,830	-	-	13	2·23	13	2·23	-	-	-	-	2	0·34
Rothbury .. ..	4,606	-	-	14	3·04	2	0·43	-	-	-	-	3	0·65
*Tynemouth .. ..	23,703	-	-	34	5·75	9	1·52	-	-	-	-	8	1·35
County of Nottingham.													
ADMINISTRATIVE COUNTY	344,194	1	0·00	979	2·84	371	1·08	117	0·34	22	0·06	231	0·67
COUNTY BOROUGH:— Nottingham.. ..	259,904	4	0·02	1119	4·31	381	1·47	79	0·30	6	0·02	200	0·77
AGGREGATE OF BOROUGH AND URBAN DISTRICTS.	214,878	1	0·00	668	3·11	237	1·10	94	0·44	16	0·07	156	0·73
AGGREGATE OF RURAL DISTRICTS.	129,316	-	-	311	2·40	134	1·04	23	0·18	6	0·05	75	0·58
BOROUGH AND URBAN DISTRICTS:—													
Arnold .. ..	11,146	-	-	23	2·06	23	2·06	2	0·18	-	-	3	0·27
Beeston .. ..	11,336	-	-	66	5·82	7	0·62	2	0·18	-	-	5	0·44
Carlton .. ..	15,581	1	0·06	54	3·47	27	1·73	1	0·06	1	0·06	26	1·67
East Retford .. ..	13,385	-	-	23	1·72	30	2·24	63	4·71	1	0·07	12	0·90
Eastwood .. ..	4,692	-	-	2	0·43	2	0·43	3	0·64	-	-	3	0·64
Hucknall Torkard .. ..	15,870	-	-	41	2·58	4	0·25	-	-	-	-	6	0·38
Huthwaite .. ..	5,231	-	-	39	7·46	5	0·96	-	-	1	0·19	1	0·19
Kirkby in Ashfield .. ..	15,378	-	-	26	1·69	13	0·85	4	0·26	2	0·13	14	0·91
Mansfield .. ..	36,888	-	-	105	2·85	39	1·06	8	0·22	6	0·16	30	0·81
Mansfield Woodhouse .. ..	11,015	-	-	52	4·72	15	1·36	-	-	2	0·18	16	1·45
Newark .. ..	16,408	-	-	94	5·73	38	2·32	1	0·06	-	-	11	0·67
Sutton in Ashfield .. ..	21,708	-	-	31	1·43	17	0·78	5	0·23	1	0·05	18	0·83
Warsop .. ..	4,221	-	-	34	8·05	6	1·42	-	-	2	0·47	4	0·95
West Bridgford .. ..	11,632	-	-	65	5·59	10	0·86	2	0·17	-	-	2	0·17
Worksop .. ..	20,387	-	-	13	0·64	1	0·05	3	0·15	-	-	5	0·25
RURAL DISTRICTS:—													
Basford .. ..	41,961	-	-	84	2·00	78	1·86	10	0·24	1	0·02	31	0·74
Bingham .. ..	14,593	-	-	22	1·51	7	0·48	1	0·07	2	0·14	6	0·41
Blyth and Cuckney .. ..	4,956	-	-	7	1·41	6	1·21	2	0·40	-	-	3	0·61
East Retford .. ..	14,774	-	-	23	1·56	11	0·74	4	0·27	1	0·07	5	0·34
†Kingston and Ratchliffe on Soar (parishes).	392	-	-	-	-	-	-	-	-	-	-	-	-
Leake .. ..	3,720	-	-	5	1·34	1	0·27	-	-	-	-	-	-
Misterton .. ..	4,015	-	-	1	0·25	-	-	-	-	-	-	2	0·50
Newark .. ..	8,335	-	-	40	4·80	7	0·84	-	-	-	-	12	1·44
Skegby .. ..	6,990	-	-	19	2·72	-	-	-	-	1	0·14	2	0·29
Southwell .. ..	19,573	-	-	90	4·60	20	1·02	-	-	-	-	1	0·05
Stapleford .. ..	10,007	-	-	20	2·00	4	0·40	6	0·60	1	0·10	13	1·30

\* On 1st April, 1912, the Rural District of Tynemouth was abolished, some of its parishes being transferred to the Urban Districts of Blyth, Cramlington and Whitley and Monkseaton. The remainder of its parishes constituted the Urban Districts of Longbenton and Seaton Delaval. The figures for the Rural District of Tynemouth are for the period 31st December, 1911-30th March, 1912, and for the purposes of the aggregates are included with the aggregate of Boroughs and Urban Districts. Allowance has been made in calculating the rates.

† These Parishes are administered by the Rural District Council of Shardlow (Derbyshire).



NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—*continued.*

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
County of Oxford.													
ADMINISTRATIVE COUNTY	136,436	-	-	318	2·33	78	0·57	6	0·04	6	0·04	67	0·49
COUNTY BOROUGH:— Oxford .. .. .	53,048	-	-	56	1·06	10	0·19	3	0·06	5	0·09	13	0·25
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	36,317	-	-	87	2·40	13	0·36	3	0·08	2	0·06	22	0·61
AGGREGATE OF RURAL DISTRICTS.	100,119	-	-	231	2·31	65	0·65	3	0·03	4	0·04	45	0·45
BOROUGHES AND URBAN DISTRICTS:—													
Banbury .. .. .	13,458	-	-	45	3·34	8	0·59	1	0·07	2	0·15	12	0·89
Bicester .. .. .	3,385	-	-	15	4·43	2	0·59	-	-	-	-	1	0·30
Chipping Norton .. .. .	3,972	-	-	6	1·51	-	-	2	0·50	-	-	5	1·26
Henley upon Thames .. .. .	6,456	-	-	8	1·24	2	0·31	-	-	-	-	-	-
Thame .. .. .	2,957	-	-	4	1·35	1	0·34	-	-	-	-	1	0·34
Wheatley .. .. .	966	-	-	-	-	-	-	-	-	-	-	-	-
Witney .. .. .	3,529	-	-	2	0·57	-	-	-	-	-	-	3	0·85
Woodstock .. .. .	1,594	-	-	7	4·39	-	-	-	-	-	-	-	-
RURAL DISTRICTS:—													
Banbury .. .. .	11,455	-	-	3	0·26	1	0·09	-	-	-	-	8	0·70
Bicester .. .. .	9,638	-	-	65	6·74	1	0·10	-	-	1	0·10	6	0·62
Chipping Norton .. .. .	11,353	-	-	11	0·97	-	-	-	-	-	-	4	0·35
Crowmarsh .. .. .	5,014	-	-	33	6·58	17	3·39	-	-	-	-	5	1·00
Culham .. .. .	2,614	-	-	4	1·53	1	0·38	-	-	-	-	-	-
Goring .. .. .	3,179	-	-	2	0·63	1	0·31	-	-	-	-	-	-
Headington .. .. .	13,204	-	-	13	0·98	25	1·89	-	-	1	0·08	1	0·08
Henley .. .. .	10,229	-	-	10	0·98	12	1·17	2	0·20	-	-	3	0·29
Thame .. .. .	5,552	-	-	7	1·26	3	0·54	-	-	-	-	3	0·54
Witney .. .. .	17,170	-	-	33	1·92	4	0·23	-	-	1	0·06	11	0·64
Woodstock .. .. .	10,711	-	-	50	4·67	-	-	1	0·09	1	0·09	4	0·37
County of Rutland.													
ADMINISTRATIVE COUNTY	20,346	-	-	36	1·77	10	0·49	3	0·15	-	-	10	0·49
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	3,667	-	-	-	-	-	-	1	0·27	-	-	-	-
AGGREGATE OF RURAL DISTRICTS.	16,679	-	-	36	2·16	10	0·60	2	0·12	-	-	10	0·60
BOROUGHES AND URBAN DISTRICTS:—													
Oakham .. .. .	3,667	-	-	-	-	-	-	1	0·27	-	-	-	-
RURAL DISTRICTS:—													
Ketton .. .. .	2,940	-	-	22	7·48	-	-	-	-	-	-	3	1·02
Oakham .. .. .	7,004	-	-	9	1·28	9	1·28	-	-	-	-	2	0·29
Uppingham .. .. .	6,735	-	-	5	0·74	1	0·15	2	0·30	-	-	5	0·74
County of Salop.													
ADMINISTRATIVE COUNTY	246,307	-	-	396	1·61	183	0·74	10	0·04	15	0·06	78	0·32
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	109,673	-	-	154	1·40	102	0·93	6	0·06	5	0·05	35	0·32
AGGREGATE OF RURAL DISTRICTS.	136,634	-	-	242	1·77	81	0·59	4	0·03	10	0·07	43	0·31
BOROUGHES AND URBAN DISTRICTS:—													
Bishop's Castle .. .. .	1,409	-	-	2	1·42	-	-	-	-	-	-	-	-
Bridgnorth .. .. .	5,768	-	-	7	1·21	2	0·35	5	0·87	-	-	-	-
Church Stretton .. .. .	1,455	-	-	21	14·43	4	2·75	-	-	-	-	-	-
Dawley .. .. .	7,701	-	-	24	3·12	2	0·26	-	-	-	-	4	0·52

NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—*continued.*

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
County of Salop— continued.													
BOROUGHS AND URBAN DISTRICTS:—													
Ellesmere .. ..	1,946	—	—	2	1'03	2	1'03	—	—	—	—	—	—
Ludlow .. ..	5,926	—	—	12	2'03	—	—	—	—	—	—	3	0'51
Newport .. ..	3,250	—	—	1	0'31	—	—	—	—	—	—	1	0'31
Oakengates .. ..	11,744	—	—	19	1'62	3	0'26	—	—	—	—	2	0'17
Oswestry .. ..	9,991	—	—	8	0'80	29	2'90	—	—	—	—	5	0'50
Shrewsbury .. ..	29,389	—	—	23	0'78	42	1'43	—	—	1	0'03	10	0'34
Wellington .. ..	7,820	—	—	2	0'26	10	1'28	1	0'13	3	0'38	4	0'51
Wem .. ..	2,273	—	—	8	3'52	—	—	—	—	1	0'44	—	—
Wenlock .. ..	15,244	—	—	14	0'92	6	0'39	—	—	—	—	6	0'39
Whitchurch .. ..	5,757	—	—	11	1'91	2	0'35	—	—	—	—	—	—
RURAL DISTRICTS:—													
Atcham .. ..	21,770	—	—	16	0'73	29	1'33	—	—	2	0'09	11	0'51
Bridgnorth .. ..	9,125	—	—	8	0'88	3	0'33	1	0'11	—	—	2	0'22
Burford .. ..	1,308	—	—	—	—	—	—	—	—	—	—	—	—
Chirbury .. ..	3,304	—	—	3	0'91	4	1'21	—	—	—	—	1	0'30
Church Stretton ..	4,797	—	—	38	7'92	1	0'21	—	—	—	—	3	0'63
Cleobury Mortimer ..	6,976	—	—	22	3'15	1	0'14	—	—	3	0'43	—	—
Clun .. ..	6,565	—	—	14	2'13	4	0'61	1	0'15	1	0'15	5	0'76
Drayton .. ..	12,340	—	—	18	1'46	15	1'22	—	—	—	—	3	2'43
Ellesmere .. ..	8,265	—	—	6	0'72	7	0'84	—	—	2	0'24	4	0'48
Ludlow .. ..	9,438	—	—	14	1'48	5	0'53	—	—	1	0'11	2	0'21
Newport .. ..	6,005	—	—	3	0'50	1	0'17	—	—	—	—	—	—
Oswestry .. ..	15,443	—	—	59	3'82	5	0'32	1	0'06	—	—	3	0'19
Shifnal .. ..	8,155	—	—	5	0'61	—	—	1	0'12	—	—	2	0'25
Teme .. ..	1,644	—	—	2	1'22	—	—	—	—	—	—	—	—
Wellington .. ..	11,091	—	—	8	0'72	4	0'36	—	—	1	0'09	7	0'63
Wem .. ..	8,373	—	—	24	2'87	2	0'24	—	—	—	—	—	—
Whitchurch .. ..	1,935	—	—	2	1'03	—	—	—	—	—	—	—	—
County of Somerset.													
ADMINISTRATIVE COUNTY	388,852	—	—	356	0'92	450	1'16	28	0'07	15	0'04	156	0'40
COUNTY BOROUGH:—													
Bath .. ..	69,173	—	—	176	2'54	22	0'32	6	0'09	4	0'06	46	0'66
AGGREGATE OF BOROUGH AND URBAN DISTRICTS.	157,356	—	—	179	1'14	186	1'18	10	0'06	8	0'05	64	0'41
AGGREGATE OF RURAL DISTRICTS.	231,496	—	—	177	0'76	264	1'14	18	0'08	7	0'03	92	0'40
BOROUGHS AND URBAN DISTRICTS:—													
Bridgwater .. ..	16,802	—	—	7	0'42	20	1'19	1	0'06	2	0'12	6	0'36
Burnham .. ..	3,948	—	—	13	3'29	—	—	—	—	2	0'51	—	—
Chard .. ..	4,568	—	—	8	1'75	2	0'44	—	—	1	0'22	—	—
Clevedon .. ..	6,111	—	—	35	5'73	—	—	—	—	—	—	1	0'16
Crewkerne .. ..	3,939	—	—	5	1'27	—	—	—	—	—	—	3	0'76
Frome .. ..	10,901	—	—	10	0'92	—	—	1	0'09	—	—	3	0'28
Glastonbury .. ..	4,250	—	—	1	0'24	—	—	—	—	—	—	1	0'24
Highbridge .. ..	2,343	—	—	4	1'71	—	—	—	—	—	—	—	—
Ilminster .. ..	2,467	—	—	—	—	—	—	—	—	—	—	2	0'81
Midsomer Norton ..	7,299	—	—	6	0'82	19	2'60	—	—	—	—	2	0'27
Minehead .. ..	3,458	—	—	3	0'87	—	—	2	0'58	—	—	2	0'58
Portishead .. ..	3,329	—	—	12	3'60	6	1'80	—	—	—	—	1	0'30
Radstock .. ..	3,690	—	—	—	—	1	0'27	—	—	—	—	1	0'27
Shepton Mallet .. ..	5,011	—	—	3	0'60	2	0'40	2	0'40	—	—	5	1'00
Street .. ..	4,235	—	—	3	0'71	15	3'54	1	0'24	—	—	2	0'47
Taunton .. ..	22,561	—	—	21	0'93	42	1'86	—	—	—	—	8	0'35
Watchet .. ..	1,846	—	—	—	—	—	—	—	—	—	—	—	—
Wellington .. ..	7,633	—	—	4	0'52	23	3'01	—	—	—	—	3	0'39
Wells .. ..	4,655	—	—	—	—	3	0'64	1	0'21	—	—	3	0'64
Weston super Mare ..	23,235	—	—	35	1'51	45	1'94	1	0'04	1	0'04	7	0'30
Wiveliscombe .. ..	1,316	—	—	2	1'52	—	—	1	0'76	—	—	2	1'52
Yeovil .. ..	13,759	—	—	7	0'51	8	0'58	—	—	2	0'15	12	0'87
RURAL DISTRICTS:—													
Axbridge .. ..	23,063	—	—	22	0'95	42	1'82	2	0'09	1	0'04	21	0'91
*Bath .. ..	12,408	—	—	29	—	16	—	3	—	—	—	—	—
Bridgwater .. ..	18,202	—	—	3	0'16	5	0'27	1	0'05	—	—	7	0'38

\* The area of this district was altered during the year. No rates have been calculated.



NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—*continued.*

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
County of Somerset— continued.													
RURAL DISTRICTS:—													
Chard.. ..	13,389	-	-	17	1'27	6	0'45	-	-	-	-	8	0'60
*Clutton .. ..	18,460	-	-	5	-	35	-	-	-	-	-	12	-
Dulverton .. ..	4,837	-	-	-	-	1	0'21	-	-	-	-	-	-
Frome.. ..	11,171	-	-	8	0'72	1	0'09	-	-	-	-	2	0'18
Keynsham .. ..	10,141	-	-	20	1'97	92	9'07	1	0'10	1	0'10	10	0'99
Langport .. ..	13,347	-	-	3	0'22	3	0'22	-	-	1	0'07	4	0'30
Long Ashton .. ..	16,197	-	-	9	0'56	5	0'31	3	0'19	-	-	14	0'86
Shepton Mallet .. ..	10,183	-	-	4	0'39	4	0'39	-	-	-	-	1	0'10
Taunton .. ..	17,834	-	-	11	0'62	10	0'56	2	0'11	-	-	1	0'06
Wellington .. ..	6,074	-	-	6	0'99	3	0'49	-	-	2	0'33	-	-
Wells .. ..	10,633	-	-	7	0'66	3	0'28	2	0'19	-	-	2	0'19
Williton .. ..	12,661	-	-	8	0'63	28	2'21	2	0'16	-	-	-	-
Wincanton .. ..	16,439	-	-	14	0'85	7	0'43	1	0'06	1	0'06	1	0'06
Yeovil.. ..	16,457	-	-	11	0'67	3	0'18	1	0'06	1	0'06	9	0'55
County of Southampton.													
ADMINISTRATIVE COUNTY	433,566	1	0'00	723	1'67	503	1'16	148	0'34	13	0'03	137	0'32
COUNTY BOROUGHs:—													
Bournemouth .. ..	78,674	-	-	229	2'91	38	0'48	4	0'05	6	0'08	21	0'27
Portsmouth .. ..	231,141	-	-	1385	5'99	1036	4'48	145	0'63	8	0'03	157	0'68
Southampton .. ..	119,012	2	0'02	288	2'42	191	1'60	12	0'10	5	0'04	72	0'60
AGGREGATE OF BOROUGHs AND URBAN DISTRICTS.	204,341	-	-	417	2'04	264	1'29	45	0'22	10	0'05	62	0'30
AGGREGATE OF RURAL DISTRICTS.	229,225	-	-	306	1'33	239	1'04	103	0'45	3	0'01	75	0'33
BOROUGHs AND URBAN DISTRICTS:—													
Aldershot .. ..	35,175	-	-	49	1'39	23	0'65	-	-	3	0'09	6	0'17
Alton .. ..	5,555	-	-	4	0'72	1	0'18	3	0'54	-	-	3	0'54
Andover .. ..	7,596	-	-	4	0'53	7	0'92	1	0'13	-	-	2	0'26
Basingstoke .. ..	11,540	-	-	58	5'03	2	0'17	-	-	-	-	4	0'35
*Christchurch .. ..	5,104	-	-	15	-	9	-	3	-	1	-	2	-
Eastleigh and Bishop- stoke.	15,247	-	-	25	1'64	2	0'13	4	0'26	2	0'13	15	0'98
Fareham .. ..	9,674	-	-	4	0'41	18	1'86	3	0'31	-	-	-	-
Farnborough .. ..	14,199	-	-	44	3'10	26	1'83	3	0'21	-	-	3	0'21
Fleet .. ..	3,281	-	-	7	2'13	-	-	-	-	-	-	3	0'91
Gosport and Alverstoke..	33,300	-	-	133	3'99	43	1'29	9	0'27	1	0'03	3	0'09
Havant .. ..	4,092	-	-	3	0'73	4	0'98	3	0'73	1	0'24	1	0'24
Itchen.. ..	19,484	-	-	34	1'74	96	4'93	6	0'31	-	-	9	0'46
Lymington .. ..	4,329	1	0'23	5	1'16	-	-	-	-	1	0'23	3	0'69
Petersfield .. ..	3,947	-	-	5	1'27	3	0'76	-	-	-	-	2	0'51
Romsey .. ..	4,669	-	-	7	1'50	11	2'36	-	-	-	-	-	-
Warblington .. ..	3,771	-	-	11	2'92	8	2'12	6	1'59	1	0'27	2	0'53
Winchester .. ..	23,378	-	-	9	0'38	11	0'47	4	0'17	-	-	4	0'17
RURAL DISTRICTS:—													
Alresford .. ..	7,531	-	-	7	0'93	6	0'80	-	-	-	-	2	0'27
Alton .. ..	18,286	-	-	15	0'82	13	0'98	-	-	-	-	2	0'11
Andover .. ..	14,295	-	-	12	0'84	13	0'91	-	-	-	-	4	0'28
Basingstoke .. ..	12,371	-	-	24	1'94	4	0'32	1	0'08	-	-	5	0'40
Catherington .. ..	3,668	-	-	40	10'91	26	7'09	-	-	-	-	1	0'27
*Christchurch .. ..	3,583	-	-	21	-	20	-	5	-	-	-	2	-
Droxford .. ..	12,906	-	-	16	1'24	6	0'46	4	0'31	-	-	8	0'62
Fareham .. ..	14,216	-	-	15	1'06	13	0'91	1	0'07	1	0'07	3	0'21
Fordingbridge .. ..	6,444	-	-	5	0'78	4	0'62	1	0'16	-	-	10	1'55
Hartley Wintney .. ..	18,642	-	-	18	0'97	2	0'11	1	0'05	-	-	1	0'05
Havant .. ..	5,795	-	-	14	2'42	5	0'86	2	0'35	-	-	4	0'69
Hursley .. ..	4,393	-	-	2	0'46	5	1'14	-	-	-	-	2	0'46
Kingsclere .. ..	8,842	-	-	24	2'71	24	2'71	-	-	-	-	4	0'45
Lymington .. ..	11,905	-	-	11	0'92	5	0'42	1	0'08	1	0'08	3	0'25
New Forest .. ..	16,373	-	-	6	0'37	3	0'18	-	-	-	-	1	0'06
Petersfield .. ..	12,030	-	-	27	2'24	17	1'41	-	-	-	-	1	0'08
Ringwood .. ..	7,153	-	-	6	0'84	-	-	82	11'46	-	-	-	-
Romsey .. ..	6,800	-	-	5	0'74	28	4'12	-	-	-	-	4	0'59
South Stoneham .. ..	17,821	-	-	28	1'57	19	1'07	4	0'22	1	0'06	3	0'17
Stockbridge .. ..	6,434	-	-	3	0'46	7	1'08	-	-	-	-	4	0'62
Whitchurch.. ..	6,121	-	-	5	0'82	9	1'47	-	-	-	-	7	1'14
Winchester .. ..	10,566	-	-	2	0'19	5	0'47	1	0'09	-	-	4	0'38

\* The area of this district was altered during the year. No rates have been calculated.



## NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—continued.

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
<b>County of Isle of Wight.</b>													
ADMINISTRATIVE COUNTY	88,186	-	-	89	1'01	145	1'64	20	0'23	2	0'02	31	0'35
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	57,127	-	-	64	1'12	99	1'73	17	0'30	1	0'02	16	0'28
AGGREGATE OF RURAL DISTRICTS.	31,059	-	-	25	0'80	46	1'48	3	0'10	1	0'03	15	0'48
BOROUGHES AND URBAN DISTRICTS:—													
Cowes .. .. .	9,635	-	-	6	0'62	24	2'49	3	0'31	-	-	1	0'10
East Cowes .. .. .	4,659	-	-	4	0'86	27	5'80	1	0'21	-	-	-	-
Newport .. .. .	11,154	-	-	14	1'26	26	2'33	1	0'09	-	-	7	0'63
Ryde .. .. .	10,608	-	-	22	2'07	5	0'47	8	0'75	-	-	2	0'19
St. Helens .. .. .	4,982	-	-	11	2'21	2	0'40	-	-	-	-	1	0'20
Sandown .. .. .	5,551	-	-	1	0'18	4	0'72	-	-	-	-	-	-
Shanklin .. .. .	4,751	-	-	2	0'42	-	-	1	0'21	-	-	-	-
Ventnor .. .. .	5,787	-	-	4	0'69	11	1'90	3	0'52	1	0'17	5	0'86
RURAL DISTRICTS:—													
Isle of Wight .. .. .	31,059	-	-	25	0'80	46	1'48	3	0'10	1	0'03	15	0'48
<b>County of Stafford.</b>													
ADMINISTRATIVE COUNTY	670,380	-	-	1554	2'32	479	0'71	145	0'22	49	0'07	346	0'52
COUNTY BOROUGHES:—													
Burton upon Trent .. .. .	48,266	-	-	282	5'84	72	1'49	6	0'12	1	0'02	47	0'97
Smethwick .. .. .	70,694	-	-	249	3'52	50	0'71	4	0'06	2	0'03	75	1'06
Stoke on Trent .. .. .	234,534	-	-	695	2'96	513	2'19	138	0'59	32	0'14	165	0'70
Walsall .. .. .	92,115	-	-	166	1'80	21	0'23	23	0'25	6	0'07	88	0'96
West Bromwich .. .. .	68,332	-	-	81	1'19	15	0'22	10	0'15	5	0'07	36	0'53
Wolverhampton .. .. .	95,328	1	0'01	355	3'72	53	0'56	5	0'05	7	0'07	71	0'74
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	461,338	-	-	1192	2'58	323	0'71	107	0'23	33	0'07	285	0'62
AGGREGATE OF RURAL DISTRICTS.	209,042	-	-	362	1'73	151	0'72	38	0'18	16	0'08	61	0'29
BOROUGHES AND URBAN DISTRICTS:—													
Amblecote .. .. .	3,155	-	-	8	2'54	2	0'63	2	0'63	-	-	-	-
Audley .. .. .	14,776	-	-	126	8'53	26	1'76	4	0'27	-	-	12	0'81
Biddulph .. .. .	7,422	-	-	28	3'77	21	2'83	3	0'40	1	0'13	5	0'67
Bilston .. .. .	25,681	-	-	81	3'15	8	0'31	4	0'16	3	0'12	16	0'62
Brierley Hill .. .. .	12,263	-	-	9	0'73	2	0'16	-	-	2	0'16	9	0'73
Brownhills .. .. .	16,852	-	-	12	0'71	31	1'84	1	0'06	3	0'18	11	0'65
Cannock .. .. .	28,586	-	-	70	2'45	8	0'28	8	0'28	1	0'03	26	0'91
Coseley .. .. .	22,834	-	-	28	1'23	1	0'04	2	0'09	-	-	11	0'48
Darlaston .. .. .	17,107	-	-	28	1'64	1	0'06	7	0'41	1	0'06	16	0'94
Heath Town .. .. .	12,276	-	-	22	1'79	8	0'65	1	0'08	2	0'16	5	0'41
Kidsgrove .. .. .	9,012	-	-	25	2'77	17	1'89	4	0'44	-	-	6	0'67
Leek .. .. .	16,663	-	-	26	1'56	12	0'72	-	-	3	0'18	11	0'66
Lichfield .. .. .	8,616	-	-	12	1'39	4	0'46	-	-	1	0'12	5	0'68
Newcastle under Lyme .. .. .	20,201	-	-	13	0'64	7	0'35	5	0'25	-	-	5	0'25
Perry Barr .. .. .	2,403	-	-	5	2'08	3	1'25	-	-	-	-	2	0'83
Quarry Bank .. .. .	7,393	-	-	10	1'35	15	2'03	-	-	1	0'14	3	0'41
Rowley Regis .. .. .	37,000	-	-	97	2'62	15	0'41	2	0'05	3	0'08	19	0'51
Rugeley .. .. .	4,504	-	-	1	0'22	-	-	-	-	-	-	1	0'22
Sedgley .. .. .	16,527	-	-	166	10'04	15	0'91	1	0'06	-	-	15	0'91
Short Heath .. .. .	4,075	-	-	5	1'23	2	0'49	-	-	1	0'25	3	0'74
Smallthorne .. .. .	13,559	-	-	46	3'39	16	1'18	2	0'15	1	0'07	9	0'66
Stafford .. .. .	23,383	-	-	25	1'07	29	1'24	1	0'04	3	0'13	15	0'64
Stone .. .. .	5,688	-	-	10	1'76	8	1'41	1	0'18	-	-	5	0'88
Tamworth .. .. .	7,738	-	-	10	1'29	-	-	1	0'13	-	-	4	0'52
Tettenhall .. .. .	5,381	-	-	3	0'56	1	0'19	-	-	-	-	1	0'19
Tipton .. .. .	31,756	-	-	77	2'42	14	0'44	10	0'31	3	0'09	19	0'60



NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—*continued.*

	Population (1911 Census).	Small-pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
County of Stafford— continued.													
BOROUGHS AND URBAN DISTRICTS:—													
Uttoxeter .. ..	5,717	-	-	2	0·35	3	0·52	-	-	-	-	-	-
Wednesbury .. ..	28,103	-	-	39	1·39	15	0·53	8	0·28	3	0·11	25	0·89
Wednesfield.. ..	3,488	-	-	16	2·47	1	0·15	28	4·32	-	-	2	0·31
Willenhall .. ..	18,844	-	-	37	1·96	5	0·27	3	0·16	-	-	12	0·64
Wolstanton United ..	27,335	-	-	155	5·67	38	1·39	9	0·33	1	0·04	12	0·44
RURAL DISTRICTS:—													
Blore Heath.. ..	2,287	-	-	-	-	2	0·87	-	-	-	-	-	-
*Blymhill and Weston under Lizard (Parishes).	798	-	-	-	-	-	-	-	-	-	-	-	-
Cannock .. ..	19,786	-	-	55	2·78	5	0·25	1	0·05	2	0·10	7	0·35
Cheadle .. ..	26,706	-	-	50	1·87	19	0·71	11	0·41	2	0·07	4	0·15
Dudley .. ..	12	-	-	-	-	-	-	-	-	-	-	-	-
Gnosall .. ..	4,765	-	-	4	0·84	1	0·21	-	-	1	0·21	-	-
Kingswinford .. ..	20,803	-	-	21	1·01	5	0·24	-	-	1	0·05	14	0·67
Leek .. ..	15,487	-	-	33	2·13	18	1·16	2	0·13	1	0·06	4	0·26
Lichfield .. ..	28,718	-	-	25	0·87	28	0·97	1	0·03	4	0·14	8	0·28
Mayfield .. ..	3,915	-	-	1	0·26	5	1·28	1	0·26	-	-	2	0·51
Newcastle under Lyme..	6,410	-	-	11	1·72	10	1·56	2	0·31	-	-	2	0·31
Seisdon .. ..	15,074	-	-	12	0·80	8	0·53	2	0·13	-	-	3	0·20
Stafford .. ..	11,777	-	-	11	0·93	9	0·76	1	0·08	2	0·17	3	0·25
Stoke upon Trent ..	4,774	-	-	3	0·63	6	1·26	14	2·93	1	0·21	1	0·21
Stone .. ..	14,387	-	-	28	1·95	10	0·70	-	-	1	0·07	5	0·35
†Tamworth (part of) ..	5,113	-	-	4	0·78	4	0·78	-	-	-	-	2	0·39
Tutbury .. ..	9,087	-	-	30	3·30	19	2·09	1	0·11	-	-	3	0·33
Uttoxeter .. ..	8,152	-	-	62	7·61	-	-	1	0·12	-	-	2	0·25
Walsall .. ..	10,991	-	-	12	1·09	2	0·18	1	0·09	1	0·09	1	0·09
County of Suffolk, East.													
ADMINISTRATIVE COUNTY	203,223	-	-	589	2·90	214	1·05	23	0·11	10	0·05	83	0·41
COUNTY BOROUGH:—													
Ipswich .. ..	73,932	-	-	115	1·56	155	2·10	6	0·08	5	0·07	57	0·77
AGGREGATE OF BOROUGH AND URBAN DISTRICTS.	80,953	-	-	406	5·02	115	1·42	10	0·12	8	0·10	41	0·51
AGGREGATE OF RURAL DISTRICTS.	122,270	-	-	183	1·50	99	0·81	13	0·11	2	0·02	42	0·34
BOROUGHS AND URBAN DISTRICTS:—													
Aldeburgh .. ..	2,374	-	-	3	1·26	10	4·21	-	-	-	-	-	-
Beccles .. ..	7,139	-	-	16	2·24	1	0·14	1	0·14	-	-	-	-
Bungay .. ..	3,359	-	-	9	2·68	-	-	1	0·30	-	-	1	0·30
Eye .. ..	2,000	-	-	2	1·00	24	12·00	1	0·50	-	-	1	0·50
Felixstowe and Walton	8,666	-	-	8	0·92	17	1·96	-	-	-	-	3	0·35
Halesworth .. ..	2,258	-	-	5	2·21	3	1·33	-	-	-	-	1	0·44
Leiston-cum-Sizevell ..	4,359	-	-	1	0·23	2	0·46	-	-	1	0·23	4	0·92
Lowestoft .. ..	33,777	-	-	343	10·15	41	1·21	6	0·18	2	0·06	27	0·80
Oulton Broad .. ..	4,109	-	-	14	3·41	1	0·24	-	-	4	0·97	1	0·24
Saxmundham .. ..	1,404	-	-	-	-	2	1·42	-	-	-	-	-	-
Southwold .. ..	2,655	-	-	3	1·13	-	-	-	-	-	-	-	-
Stowmarket .. ..	4,230	-	-	2	0·47	5	1·18	1	0·24	-	-	1	0·24
Woodbridge.. ..	4,623	-	-	-	-	9	1·95	-	-	1	0·22	2	0·43
RURAL DISTRICTS:—													
Blything .. ..	18,190	-	-	59	3·24	17	0·93	4	0·22	-	-	4	0·22
Bosmere and Claydon ..	14,070	-	-	24	1·71	5	0·36	1	0·07	-	-	5	0·36
East Stow .. ..	6,223	-	-	-	-	1	0·16	1	0·16	-	-	2	0·32
Hartismere .. ..	11,485	-	-	17	1·48	13	1·13	4	0·35	-	-	1	0·09
Hoxne .. ..	10,408	-	-	6	0·58	7	0·67	-	-	1	0·10	11	1·06
Mutford and Lothingland	11,184	-	-	11	0·98	18	1·61	1	0·09	-	-	8	0·72
Plomesgate .. ..	15,708	-	-	33	2·10	13	0·83	1	0·06	-	-	2	0·13
Samford .. ..	13,868	-	-	16	1·15	13	0·94	-	-	-	-	3	0·21
Wangford .. ..	4,820	-	-	5	1·04	2	0·41	1	0·21	-	-	1	0·21
Woodbridge.. ..	16,314	-	-	12	0·74	10	0·61	-	-	1	0·06	5	0·31

\* These parishes are administered by the Rural District Council of Shifnal (Salop).

† The remaining part of the Rural District of Tamworth is in the Administrative County of Warwick.

## NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—continued.

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
County of Suffolk, West.													
ADMINISTRATIVE COUNTY	116,905	-	-	194	1·66	38	0·33	7	0·06	3	0·03	43	0·37
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	43,855	-	-	89	1·82	9	0·21	2	0·05	1	0·02	20	0·46
AGGREGATE OF RURAL DISTRICTS.	73,050	-	-	114	1·56	29	0·40	5	0·07	2	0·03	23	0·31
BOROUGHES AND URBAN DISTRICTS:—													
Bury St. Edmunds ..	16,785	-	-	17	1·01	6	0·36	1	0·06	1	0·06	10	0·60
Glemsford .. ..	1,499	-	-	1	0·67	-	-	-	-	-	-	1	0·67
Hadleigh .. ..	3,200	-	-	-	-	-	-	-	-	-	-	2	0·63
Haverhill .. ..	4,748	-	-	43	9·06	1	0·21	-	-	-	-	2	0·42
Newmarket .. ..	10,482	-	-	9	0·86	2	0·19	1	0·10	-	-	3	0·29
Sudbury .. ..	7,141	-	-	10	1·40	-	-	-	-	-	-	2	0·28
RURAL DISTRICTS:—													
Brandon .. ..	5,861	-	-	19	3·24	-	-	3	0·51	-	-	3	0·51
Clare .. ..	8,567	-	-	17	1·98	5	0·58	-	-	-	-	4	0·47
Costford .. ..	11,808	-	-	3	0·25	-	-	-	-	-	-	-	-
Melford .. ..	12,791	-	-	12	0·94	-	-	2	0·16	-	-	2	0·16
Mildenhall .. ..	8,311	-	-	27	3·25	2	0·24	-	-	1	0·12	4	0·48
Moulton .. ..	2,255	-	-	-	-	-	-	-	-	-	-	1	0·44
Thedwastre .. ..	9,018	-	-	20	2·22	11	1·22	-	-	-	-	1	0·11
Thingoe .. ..	14,439	-	-	16	1·11	11	0·76	-	-	1	0·07	8	0·55
County of Surrey.													
ADMINISTRATIVE COUNTY	676,027	1	0·00	1219	1·80	828	1·22	95	0·14	43	0·06	351	0·52
COUNTY BOROUGH:— Croydon .. ..	169,551	-	-	471	2·78	775	4·57	32	0·19	10	0·06	81	0·48
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	452,788	1	0·00	806	1·78	577	1·27	69	0·15	28	0·06	236	0·52
AGGREGATE OF RURAL DISTRICTS.	223,239	-	-	413	1·85	251	1·12	26	0·12	15	0·07	115	0·52
BOROUGHES AND URBAN DISTRICTS:—													
Barnes .. ..	30,377	-	-	111	3·65	54	1·78	2	0·07	1	0·03	12	0·40
Carshalton .. ..	11,634	-	-	31	2·66	17	1·46	1	0·09	1	0·09	16	1·38
Caterham .. ..	10,841	-	-	43	3·97	10	0·92	7	0·65	1	0·09	4	0·37
Chertsey .. ..	13,816	-	-	32	2·32	32	2·32	-	-	-	-	4	0·29
Dorking .. ..	7,848	-	-	9	1·15	8	1·02	-	-	-	-	1	0·13
East and West Molesey ..	6,492	-	-	13	2·00	7	1·08	1	0·15	-	-	4	0·62
Egham .. ..	12,551	-	-	26	2·07	10	0·80	2	0·16	-	-	7	0·56
Epsom .. ..	19,156	-	-	26	1·36	15	0·78	8	0·42	-	-	19	0·99
Esher and the Dittons ..	12,518	-	-	40	3·20	6	0·48	1	0·08	2	0·16	6	0·48
Farnham .. ..	7,365	-	-	12	1·63	1	0·14	-	-	-	-	3	0·41
Frimley .. ..	13,673	-	-	9	0·66	6	0·44	-	-	1	0·07	8	0·59
Godalming .. ..	8,846	-	-	14	1·58	1	0·11	-	-	-	-	5	0·57
Guildford .. ..	23,820	-	-	21	0·88	35	1·47	-	-	3	0·13	13	0·55
Ham .. ..	1,435	-	-	-	-	-	-	-	-	-	-	2	1·39
Kingston upon Thames ..	37,975	-	-	66	1·74	125	3·29	9	0·24	5	0·13	37	0·97
Leatherhead .. ..	5,491	-	-	3	0·55	-	-	1	0·18	1	0·18	2	0·36
Merton .. ..	12,938	-	-	33	2·55	18	1·39	1	0·08	-	-	7	0·54
Reigate .. ..	28,502	1	0·04	55	1·93	21	0·74	1	0·04	-	-	12	0·42
Richmond .. ..	33,221	-	-	53	1·60	34	1·02	3	0·09	-	-	7	0·21
Surbiton .. ..	17,717	-	-	18	1·02	25	1·41	2	0·11	2	0·11	11	0·62
Sutton .. ..	21,270	-	-	32	1·50	10	0·47	2	0·09	-	-	2	0·09
The Maldens and Coombe	12,137	-	-	10	0·82	49	4·04	3	0·25	1	0·08	4	0·33
Walton upon Thames ..	12,856	-	-	5	0·39	8	0·62	1	0·08	3	0·23	2	0·16
Weybridge .. ..	6,286	-	-	3	0·48	-	-	-	-	1	0·16	1	0·16
Wimbledon .. ..	54,966	-	-	116	2·11	66	1·20	21	0·38	5	0·09	36	0·65
Windlesham .. ..	4,249	-	-	12	2·82	1	0·24	-	-	-	-	1	0·24
Woking .. ..	24,808	-	-	13	0·52	18	0·73	3	0·12	1	0·04	10	0·40
RURAL DISTRICTS:—													
Chertsey .. ..	9,383	-	-	17	1·81	7	0·75	-	-	2	0·21	2	0·21
Croydon .. ..	65,133	-	-	185	2·84	146	2·24	15	0·23	7	0·11	57	0·88
Dorking .. ..	10,580	-	-	3	0·28	10	0·95	-	-	-	-	1	0·09



## NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—continued.

		Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
			Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
County of Surrey— continued.														
RURAL DISTRICTS:—														
Epsom .. .. .	29,728	-	-	52	1·75	19	0·64	3	0·10	1	0·03	8	0·27	
Farnham .. .. .	20,260	-	-	16	0·79	12	0·59	2	0·10	2	0·10	1	0·05	
Godstone .. .. .	23,317	-	-	33	1·42	27	1·16	3	0·13	-	-	16	0·69	
Guildford .. .. .	18,274	-	-	8	0·44	3	0·16	-	-	2	0·11	2	0·11	
Hambleton .. .. .	25,369	-	-	42	1·66	13	0·51	1	0·04	-	-	17	0·67	
Reigate .. .. .	21,195	-	-	57	2·69	14	0·66	2	0·09	1	0·05	11	0·52	
County of Sussex, East.														
ADMINISTRATIVE COUNTY	242,146	-	-	458	1·89	247	1·02	22	0·09	12	0·05	81	0·33	
COUNTY BOROUGHs:—														
Brighton .. .. .	131,237	-	-	624	4·75	123	0·94	25	0·19	10	0·08	85	0·65	
Eastbourne .. .. .	52,542	-	-	449	8·55	80	1·52	-	-	-	-	29	0·55	
Hastings .. .. .	61,145	-	-	70	1·14	48	0·79	8	0·13	2	0·03	36	0·59	
AGGREGATE OF BOROUGHs AND URBAN DISTRICTS.	115,841	-	-	230	1·99	134	1·16	14	0·12	8	0·07	34	0·29	
AGGREGATE OF RURAL DISTRICTS.	126,305	-	-	228	1·81	113	0·89	8	0·06	4	0·03	47	0·37	
BOROUGHs AND URBAN DISTRICTS:—														
Battle .. .. .	2,924	-	-	7	2·39	-	-	-	-	-	-	2	0·68	
Boxhill .. .. .	15,330	-	-	29	1·89	10	0·65	2	0·13	1	0·07	2	0·13	
Burgess Hill .. .. .	5,124	-	-	19	3·71	-	-	-	-	-	-	3	0·59	
Cuckfield .. .. .	1,899	-	-	9	4·74	-	-	-	-	-	-	2	1·05	
East Grinstead .. .. .	7,089	-	-	1	0·14	9	1·27	-	-	-	-	2	0·28	
Haywards Heath .. .. .	4,851	-	-	5	1·03	1	0·21	-	-	1	0·21	-	-	
Hove .. .. .	42,173	-	-	100	2·37	37	0·88	5	0·12	3	0·07	15	0·36	
Lewes .. .. .	10,972	-	-	21	1·91	8	0·73	3	0·27	1	0·09	2	0·18	
Newhaven .. .. .	6,665	-	-	10	1·50	9	1·35	1	0·15	1	0·15	2	0·30	
Portslade by Sea .. .. .	6,454	-	-	8	1·24	12	1·86	-	-	1	0·15	2	0·31	
Rye .. .. .	4,229	-	-	7	1·66	10	2·36	-	-	-	-	-	-	
Seaford .. .. .	4,787	-	-	3	0·63	3	0·63	3	0·63	-	-	2	0·42	
Uckfield .. .. .	3,344	-	-	11	3·29	35	10·47	-	-	-	-	-	-	
RURAL DISTRICTS:—														
Battle .. .. .	6,636	-	-	8	1·21	-	-	-	-	-	-	1	0·15	
Chailey .. .. .	12,769	-	-	34	2·66	8	0·63	-	-	-	-	1	0·08	
Cuckfield .. .. .	16,853	-	-	45	2·67	9	0·53	-	-	-	-	6	0·36	
Eastbourne .. .. .	5,347	-	-	21	3·93	12	2·24	1	0·19	1	0·19	10	1·87	
East Grinstead .. .. .	13,007	-	-	26	2·00	12	0·92	-	-	1	0·08	7	0·54	
Hailsham .. .. .	18,045	-	-	32	1·77	19	1·05	5	0·28	-	-	8	0·44	
Hastings .. .. .	1,768	-	-	-	-	-	-	-	-	-	-	-	-	
Newhaven .. .. .	5,033	-	-	2	0·40	15	2·98	-	-	-	-	-	-	
Rye .. .. .	7,146	-	-	13	1·82	1	0·14	1	0·14	-	-	-	-	
Steyning East .. .. .	2,891	-	-	7	2·42	-	-	-	-	-	-	2	0·69	
Ticehurst .. .. .	13,505	-	-	13	0·96	6	0·44	-	-	-	-	4	0·30	
Uckfield .. .. .	23,305	-	-	27	1·16	31	1·33	1	0·04	2	0·09	8	0·34	
County of Sussex, West.														
ADMINISTRATIVE COUNTY	176,308	-	-	281	1·59	178	1·01	25	0·14	4	0·02	55	0·31	
AGGREGATE OF BOROUGHs AND URBAN DISTRICTS.	83,590	-	-	160	1·91	84	1·00	7	0·08	2	0·02	32	0·38	
AGGREGATE OF RURAL DISTRICTS.	92,718	-	-	121	1·31	94	1·01	18	0·19	2	0·02	23	0·25	
BOROUGHs AND URBAN DISTRICTS:—														
Arundel .. .. .	2,842	-	-	-	-	-	-	-	-	-	-	-	-	
Bognor .. .. .	8,142	-	-	9	1·11	10	1·23	2	0·25	-	-	2	0·25	

NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—*continued.*

	Population (1911 Census).	Small-pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
<b>County of Sussex, West—continued.</b>													
BOROUGHS AND URBAN DISTRICTS:—													
Chichester .. .. .	12,591	-	-	10	0·79	5	0·40	3	0·24	-	-	8	0·64
Horsham .. .. .	11,314	-	-	22	1·94	21	1·86	-	-	2	0·18	2	0·18
Littlehampton .. ..	8,351	-	-	23	2·75	8	0·96	-	-	-	-	4	0·48
Shoreham by Sea .. ..	5,731	-	-	21	3·66	-	-	1	0·17	-	-	4	0·70
Southwick .. .. .	4,314	-	-	14	3·25	3	0·70	-	-	-	-	-	-
Worthing .. .. .	30,305	-	-	61	2·01	37	1·22	1	0·03	-	-	12	0·40
RURAL DISTRICTS:—													
East Preston .. .. .	6,853	-	-	3	0·44	7	1·02	1	0·15	1	0·15	1	0·15
Horsham .. .. .	20,792	-	-	33	1·59	16	0·77	1	0·05	-	-	7	0·34
Midhurst .. .. .	15,280	-	-	17	1·11	-	-	4	0·26	-	-	3	0·20
Petworth .. .. .	8,776	-	-	4	0·46	4	0·46	-	-	-	-	1	0·11
Thakeham .. .. .	8,334	-	-	5	0·60	4	0·48	4	0·48	-	-	1	0·12
Westbourne .. .. .	8,331	-	-	25	3·00	32	3·84	6	0·72	-	-	2	0·24
West Hampnett .. ..	15,548	-	-	13	0·84	29	1·87	2	0·13	1	0·06	5	0·32
West Steyning .. ..	8,804	-	-	21	2·39	2	0·23	-	-	-	-	3	0·34
<b>County of Warwick.</b>													
ADMINISTRATIVE COUNTY.	300,867	-	-	1,304	4·33	170	0·57	17	0·06	8	0·03	170	0·57
COUNTY BOROUGH:—													
Birmingham .. .. .	840,202	-	-	5,922	7·05	979	1·17	113	0·13	78	0·09	767	0·91
Coventry .. .. .	106,349	-	-	681	6·40	215	2·02	24	0·23	4	0·04	83	0·78
AGGREGATE OF BOROUGH AND URBAN DISTRICTS.	133,678	-	-	570	4·26	68	0·51	6	0·04	6	0·04	65	0·49
AGGREGATE OF RURAL DISTRICTS.	167,189	-	-	734	4·39	102	0·61	11	0·07	2	0·01	105	0·63
BOROUGHS AND URBAN DISTRICTS:—													
Bulkington .. .. .	1,837	-	-	6	3·27	1	0·54	-	-	-	-	1	0·54
Kenilworth .. .. .	5,776	-	-	6	1·04	1	0·17	-	-	-	-	2	0·35
Nuneaton .. .. .	37,073	-	-	394	10·63	20	0·54	-	-	3	0·08	25	0·67
Royal Leamington Spa ..	26,713	-	-	19	0·71	7	0·26	1	0·04	-	-	10	0·37
Rugby .. .. .	21,758	-	-	29	1·33	18	0·83	1	0·05	1	0·05	9	0·41
Stratford-on-Avon .. ..	8,531	-	-	4	0·47	7	0·82	4	0·47	1	0·12	1	0·12
Sutton Coldfield .. ..	20,132	-	-	83	4·12	5	0·25	-	-	1	0·05	6	0·30
Warwick .. .. .	11,858	-	-	29	2·45	9	0·76	-	-	-	-	11	0·93
RURAL DISTRICTS:—													
Alcester .. .. .	11,866	-	-	42	3·54	4	0·34	-	-	-	-	5	0·42
Atherstone .. .. .	19,133	-	-	132	6·90	6	0·31	1	0·05	-	-	7	0·37
Brailes .. .. .	6,046	-	-	2	0·33	1	0·17	-	-	-	-	8	1·32
*Castle Bromwich .. ..	2,725	-	-	2	2·95	-	-	1	1·47	-	-	1	1·47
Coventry .. .. .	582	-	-	1	1·72	-	-	-	-	-	-	-	-
Farnborough .. .. .	1,482	-	-	1	0·67	-	-	-	-	-	-	1	0·67
Foleshill .. .. .	22,999	-	-	262	11·39	24	1·04	2	0·09	-	-	20	0·87
*Meriden .. .. .	12,673	-	-	21	1·43	19	1·29	1	0·07	-	-	15	1·02
Monks Kirby .. .. .	1,554	-	-	-	-	-	-	-	-	-	-	1	0·64
Nuneaton .. .. .	2,505	-	-	12	4·79	1	0·40	-	-	-	-	1	0·40
Rugby .. .. .	17,353	-	-	39	2·25	4	0·23	1	0·06	2	0·12	13	0·75
Solihull .. .. .	18,761	-	-	75	4·00	13	0·69	2	0·11	-	-	10	0·53
Southam .. .. .	9,985	-	-	5	0·50	15	1·50	1	0·10	-	-	10	1·00
Stratford-on-Avon .. ..	11,079	-	-	60	5·42	3	0·27	-	-	-	-	2	0·18
†Tamworth (part of) ..	16,035	-	-	57	3·55	11	0·69	-	-	-	-	7	0·44
Warwick .. .. .	12,411	-	-	23	1·85	1	0·08	2	0·16	-	-	4	0·32

\* On 1st April, 1912, the Rural District of Castle Bromwich was abolished and its parishes were included in the Rural District of Meriden. The figures for Castle Bromwich are for the period 31st December, 1911—30th March, 1912. Allowance has been made in the calculation of the rates.

† The remaining part of the Rural District of Tamworth is in the Administrative County of Stafford. The figures for the entire district are:—

21,148 | - | - | 61 | 2·88 | 15 | 0·71 | - | - | - | - | 9 | 0·43



## NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—continued.

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
County of Westmorland.													
ADMINISTRATIVE COUNTY	63,575	-	-	176	2·77	108	1·70	2	0·03	-	-	33	0·52
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	26,875	-	-	80	2·98	48	1·79	1	0·04	2	0·07	21	0·78
AGGREGATE OF RURAL DISTRICTS.	36,700	-	-	96	2·62	60	1·63	1	0·03	-	-	12	0·33
BOROUGHES AND URBAN DISTRICTS:—													
Ambleside .. ..	2,553	-	-	5	1·96	-	-	-	-	-	-	1	0·39
Appleby .. ..	1,736	-	-	5	2·88	26	14·98	-	-	-	-	2	1·15
Grasmere .. ..	876	-	-	-	-	-	-	-	-	-	-	-	-
Kendal .. ..	14,033	-	-	20	1·43	21	1·50	1	0·07	2	0·14	16	1·14
Kirkby Lonsdale ..	1,524	-	-	8	5·25	1	0·66	-	-	-	-	1	0·66
Shap .. ..	1,006	-	-	4	3·98	-	-	-	-	-	-	-	-
Windermere .. ..	5,147	-	-	38	7·38	-	-	-	-	-	-	1	0·19
RURAL DISTRICTS:—													
East Westmorland ..	11,151	-	-	29	2·60	41	3·68	1	0·09	-	-	7	0·63
South Westmorland ..	19,116	-	-	60	3·14	15	0·78	-	-	-	-	4	0·21
West Ward .. ..	6,433	-	-	7	1·09	4	0·62	-	-	-	-	1	0·16
County of Wilts.													
ADMINISTRATIVE COUNTY	286,822	-	-	683	2·38	264	0·92	13	0·05	14	0·05	112	0·39
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	125,100	-	-	353	2·82	157	1·25	4	0·03	2	0·02	61	0·49
AGGREGATE OF RURAL DISTRICTS.	161,722	-	-	330	2·04	107	0·66	9	0·06	12	0·07	51	0·32
BOROUGHES AND URBAN DISTRICTS:—													
Bradford on Avon ..	4,501	-	-	5	1·11	2	0·44	-	-	-	-	1	0·22
Calne .. ..	3,538	-	-	3	0·85	-	-	-	-	-	-	2	0·57
Chippenham .. ..	5,332	-	-	1	0·19	2	0·38	-	-	-	-	1	0·19
Devizes .. ..	6,739	-	-	11	1·63	9	1·34	-	-	-	-	3	0·45
Malmesbury .. ..	2,656	-	-	-	-	1	0·38	-	-	-	-	1	0·38
Marlborough .. ..	4,401	-	-	6	1·36	1	0·23	-	-	-	-	-	-
Melksham .. ..	3,101	-	-	-	-	-	-	-	-	-	-	1	0·32
Salisbury .. ..	21,217	-	-	20	0·94	11	0·52	2	0·09	1	0·05	10	0·47
Swindon .. ..	50,751	-	-	193	3·90	109	2·15	2	0·04	1	0·02	34	0·67
Trowbridge .. ..	11,815	-	-	59	4·99	7	0·59	-	-	-	-	1	0·08
Warminster .. ..	5,492	-	-	50	0·91	9	1·64	-	-	-	-	-	-
Westbury .. ..	3,433	-	-	-	-	5	1·46	-	-	-	-	4	1·17
Wilton .. ..	2,124	-	-	-	-	1	0·47	-	-	-	-	3	1·41
RURAL DISTRICTS:—													
Amesbury .. ..	11,158	-	-	16	1·43	2	0·18	3	0·27	2	0·18	2	0·18
Bradford on Avon ..	5,313	-	-	13	2·45	1	0·19	-	-	-	-	3	0·56
Calne .. ..	4,599	-	-	14	3·04	-	-	-	-	1	0·22	-	-
Chippenham .. ..	18,236	-	-	24	1·32	-	-	1	0·05	-	-	8	0·44
Cricklade and Woolton Bassett.	11,002	-	-	24	2·18	1	0·09	-	-	-	-	1	0·09
Devizes .. ..	12,854	-	-	16	1·24	33	2·57	1	0·08	1	0·08	4	0·31
Highworth .. ..	15,139	-	-	55	3·63	6	0·40	2	0·13	-	-	6	0·40
Malmesbury .. ..	9,361	-	-	21	2·24	2	0·21	1	0·11	1	0·11	4	0·43
Marlborough .. ..	4,496	-	-	13	2·89	-	-	-	-	3	0·67	2	0·44
Melksham .. ..	4,979	-	-	1	0·20	8	1·61	-	-	-	-	1	0·20
Mere .. ..	5,173	-	-	11	2·13	5	0·97	-	-	1	0·19	1	0·19
Pewsey .. ..	13,303	-	-	4	0·30	7	0·53	-	-	-	-	3	0·23
Ramsbury .. ..	7,109	-	-	2	0·28	11	1·55	-	-	-	-	2	0·28
Salisbury .. ..	10,178	-	-	23	2·26	11	1·08	-	-	-	-	-	-
*Tetbury (part of) ..	373	-	-	-	-	-	-	-	-	-	-	-	-
Tisbury .. ..	7,803	-	-	17	2·18	4	0·51	1	0·13	1	0·13	1	0·13
Warminster .. ..	5,957	-	-	11	1·85	8	1·34	-	-	1	0·17	3	0·50
Westbury and Whor- wellsdown.	6,610	-	-	23	3·48	8	1·21	-	-	-	-	9	1·36
Wilton .. ..	8,079	-	-	42	5·20	-	-	-	-	1	0·12	1	0·12

\* The remaining part of the Rural District of Tetbury is in the Administrative County of Gloucester.

## NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—continued.

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
<b>County of Worcester.</b>													
*ADMINISTRATIVE COUNTY	288,627	-	-	708	2·46	240	0·83	30	0·10	10	0·03	164	0·57
COUNTY BOROUGHs:—													
Dudley .. .. .	51,079	-	-	43	0·84	6	0·12	7	0·14	2	0·04	39	0·76
Worcester .. .. .	47,982	-	-	152	3·17	93	1·94	6	0·13	3	0·06	28	0·58
*AGGREGATE OF BOROUGHs AND URBAN DISTRICTS.	153,336	-	-	390	2·54	86	0·56	16	0·10	5	0·03	88	0·57
*AGGREGATE OF RURAL DISTRICTS.	135,291	-	-	318	2·37	151	1·15	14	0·10	5	0·04	76	0·57
BOROUGHs AND URBAN DISTRICTS:—													
Bewdley .. .. .	2,745	-	-	13	4·74	-	-	-	-	-	-	-	-
Bromsgrove.. .. .	8,926	-	-	4	0·45	1	0·11	-	-	1	0·11	-	-
Droitwich .. .. .	4,146	-	-	2	0·48	2	0·48	-	-	-	-	1	0·24
Evesham .. .. .	8,340	-	-	68	8·15	4	0·48	2	0·24	-	-	10	1·20
*Kidderminster .. .. .	24,333	-	-	143	5·77	1	0·04	-	-	-	-	20	0·81
Lye and Wollescote .. .. .	11,684	-	-	9	0·77	11	0·94	1	0·09	-	-	11	0·94
Malvern .. .. .	16,513	-	-	10	0·61	9	0·55	3	0·18	2	0·12	4	0·24
North Bromsgrove .. .. .	7,210	-	-	13	1·80	13	1·80	-	-	-	-	1	0·14
Oldbury .. .. .	32,232	-	-	64	1·99	24	0·74	6	0·19	2	0·06	24	0·74
Redditch .. .. .	15,463	-	-	26	1·68	7	0·45	1	0·06	-	-	13	0·84
Stourbridge .. .. .	17,312	-	-	25	1·44	9	0·52	3	0·17	-	-	2	0·12
Stourport .. .. .	4,432	-	-	13	2·93	5	1·13	-	-	-	-	2	0·45
RURAL DISTRICTS:—													
*Bromsgrove.. .. .	15,007	-	-	13	0·89	34	2·34	-	-	-	-	3	0·21
Droitwich .. .. .	12,975	-	-	31	2·39	10	0·77	2	0·15	1	0·08	7	0·54
Evesham .. .. .	9,095	-	-	65	7·15	3	0·33	1	0·11	1	0·11	4	0·44
Feckenham .. .. .	5,456	-	-	8	1·47	6	1·10	-	-	-	-	4	0·73
Halesowen .. .. .	25,804	-	-	48	1·86	8	0·31	4	0·16	-	-	13	0·50
*Kidderminster .. .. .	10,493	-	-	45	4·48	9	0·90	1	0·10	-	-	7	0·70
Martley .. .. .	13,063	-	-	44	3·37	7	0·54	-	-	-	-	-	-
Pershore .. .. .	13,235	-	-	19	1·44	-	-	2	0·15	1	0·08	10	0·76
†Redmarley d'Abitot and Staunton (parishes).	1,192	-	-	-	-	-	-	-	-	-	-	-	-
Rock .. .. .	2,193	-	-	7	3·19	-	-	-	-	-	-	1	0·46
Shipston on Stour.. .. .	4,711	-	-	1	0·21	37	7·85	-	-	-	-	8	1·70
‡Stow on the Wold (part of).	311	-	-	-	-	-	-	-	-	-	-	-	-
Tenbury .. .. .	4,727	-	-	5	1·06	7	1·48	1	0·21	1	0·21	5	1·06
‡Tewkesbury (part of) .. .. .	2,317	-	-	7	3·02	-	-	-	-	-	-	-	-
Upton upon Severn .. .. .	14,596	-	-	25	1·71	33	2·26	3	0·21	1	0·07	14	0·96
‡Winchcomb (part of) .. .. .	116	-	-	-	-	-	-	-	-	-	-	-	-
<b>County of Yorkshire, East Riding.</b>													
ADMINISTRATIVE COUNTY	154,768	-	-	209	1·35	243	1·57	33	0·21	1	0·01	88	0·57
COUNTY BOROUGHs:—													
Kingston upon Hull .. .. .	277,991	-	-	322	1·16	311	1·12	134	0·48	22	0·08	209	0·75
York .. .. .	82,282	-	-	358	4·35	92	1·12	28	0·34	4	0·05	41	0·50
AGGREGATE OF BOROUGHs AND URBAN DISTRICTS.	59,984	-	-	97	1·62	93	1·55	20	0·33	-	-	36	0·60
AGGREGATE OF RURAL DISTRICTS.	94,784	-	-	112	1·18	150	1·58	13	0·14	1	0·01	52	0·55

\* The areas of these districts were altered during the year. Allowance has been made in the calculation of the above rates.

† These parishes are administered by the Rural District Council of Newent (Gloucester).

‡ The remaining parts of the Rural Districts of Stow on the Wold, Tewkesbury, and Winchcomb are in the Administrative County of Gloucester.



NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—*continued*.

			Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.		
				Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	
<b>County of Yorkshire, East Riding—continued.</b>																
BOROUGH AND URBAN DISTRICTS:—																
Beverley .. ..	..	..	13,654	-	-	6	0·44	19	1·39	9	0·66	-	-	5	0·37	
Bridlington .. ..	..	..	14,334	-	-	38	2·65	8	0·56	1	0·07	-	-	9	0·63	
Cottingham.. ..	..	..	4,648	-	-	12	2·58	5	1·08	-	-	-	-	7	1·51	
Filey .. ..	..	..	3,228	-	-	7	2·17	1	0·31	1	0·31	-	-	3	0·93	
Great Driffield .. ..	..	..	5,676	-	-	4	0·70	57	10·04	4	0·70	-	-	2	0·35	
Hedon.. ..	..	..	1,171	-	-	-	-	-	-	-	-	-	-	-	-	
Hessle.. ..	..	..	5,319	-	-	1	0·19	-	-	1	0·19	-	-	-	-	
Hornsea .. ..	..	..	3,024	-	-	10	3·31	2	0·66	-	-	-	-	1	0·33	
Norton .. ..	..	..	3,990	-	-	5	1·25	1	0·25	3	0·75	-	-	6	1·50	
Pocklington.. ..	..	..	2,556	-	-	7	2·74	-	-	1	0·39	-	-	-	-	
Withernsea .. ..	..	..	2,384	-	-	7	2·94	-	-	-	-	-	-	3	1·26	
RURAL DISTRICTS:—																
Beverley .. ..	..	..	11,627	-	-	2	0·17	23	1·98	1	0·09	-	-	2	0·17	
Bridlington .. ..	..	..	7,743	-	-	10	1·29	1	0·13	-	-	-	-	1	0·13	
Driffield .. ..	..	..	12,109	-	-	15	1·24	59	4·87	1	0·08	1	0·08	4	0·33	
Eserick .. ..	..	..	5,872	-	-	10	1·70	5	0·85	5	0·85	-	-	1	0·17	
Howden .. ..	..	..	12,636	-	-	20	1·58	19	1·50	2	0·16	-	-	5	0·40	
Norton .. ..	..	..	5,814	-	-	8	1·38	6	1·03	1	0·17	-	-	5	0·86	
Patrington .. ..	..	..	7,128	-	-	18	2·53	27	3·79	-	-	-	-	20	2·81	
Pocklington.. ..	..	..	11,277	-	-	15	1·33	-	-	-	-	-	-	2	0·18	
Riccall .. ..	..	..	3,277	-	-	8	2·44	-	-	2	0·61	-	-	1	0·31	
Sculcoates .. ..	..	..	7,885	-	-	3	0·38	8	1·01	-	-	-	-	2	0·25	
Sherburn .. ..	..	..	2,254	-	-	1	0·44	-	-	1	0·44	-	-	1	0·44	
Skirlaugh .. ..	..	..	7,162	-	-	2	0·28	2	0·28	-	-	-	-	8	1·12	
<b>County of Yorkshire, North Riding.</b>																
ADMINISTRATIVE COUNTY			314,779	1	0·00	1,278	4·06	544	1·73	131	0·42	4	0·01	149	0·47	
COUNTY BOROUGH:— Middlesbrough .. ..			104,767	-	-	535	5·11	101	0·96	17	0·16	3	0·03	52	0·50	
AGGREGATE OF BOROUGH AND URBAN DISTRICTS.			178,196	1	0·01	961	5·39	393	2·21	63	0·35	4	0·02	100	0·56	
AGGREGATE OF RURAL DISTRICTS.			136,583	-	-	317	2·32	151	1·11	68	0·50	-	-	49	0·36	
BOROUGH AND URBAN DISTRICTS:—																
Eston .. ..	..	..	12,026	1	0·08	188	15·63	17	1·41	6	0·50	-	-	5	0·42	
Guisborough .. ..	..	..	7,061	-	-	47	6·66	12	1·70	1	0·14	-	-	4	0·57	
Hinderwell .. ..	..	..	2,491	-	-	-	-	15	6·02	-	-	-	-	-	-	
Kirklington cum Upsland	..	..	244	-	-	-	-	1	4·10	-	-	-	-	-	-	
Loftus.. ..	..	..	8,872	-	-	107	12·06	17	1·92	3	0·34	1	0·11	8	0·90	
Malton .. ..	..	..	4,822	-	-	6	1·24	2	0·41	4	0·83	-	-	1	0·21	
Masham .. ..	..	..	3,110	-	-	-	-	2	0·64	-	-	-	-	2	0·64	
Northallerton .. ..	..	..	4,806	-	-	6	1·25	3	0·62	2	0·42	-	-	-	-	
Ormesby .. ..	..	..	14,582	-	-	157	10·77	20	1·37	10	0·69	-	-	14	0·96	
Pickering .. ..	..	..	3,674	-	-	-	-	1	0·27	-	-	-	-	2	0·54	
Redcar .. ..	..	..	10,508	-	-	23	2·19	24	2·28	1	0·10	1	0·10	4	0·38	
Richmond .. ..	..	..	3,934	-	-	15	3·81	60	15·25	1	0·25	-	-	3	0·76	
Saltburn by the Sea .. ..	..	..	3,322	-	-	1	0·30	2	0·60	-	-	-	-	2	0·60	
Scalby .. ..	..	..	1,630	-	-	-	-	-	-	1	0·61	-	-	-	-	
Scarborough .. ..	..	..	37,201	-	-	26	0·70	31	0·83	13	0·35	1	0·03	16	0·43	
Skelton and Brotton .. ..	..	..	15,194	-	-	47	3·09	62	4·08	1	0·07	-	-	11	0·72	
South Bank in Normanby	..	..	14,977	-	-	210	14·02	28	1·87	12	0·80	-	-	6	0·40	
Thornaby on Tees .. ..	..	..	18,603	-	-	106	5·70	59	3·17	6	0·32	1	0·05	18	0·97	
Whitby .. ..	..	..	11,139	-	-	22	1·98	37	3·32	2	0·18	-	-	4	0·36	
RURAL DISTRICTS:—																
Aysgarth .. ..	..	..	4,262	-	-	4	0·94	4	0·94	2	0·47	-	-	3	0·70	
Bedale .. ..	..	..	6,939	-	-	4	0·58	-	-	4	0·58	-	-	7	0·01	
Croft .. ..	..	..	2,236	-	-	1	0·45	-	-	-	-	-	-	-	-	
Easingwold .. ..	..	..	10,213	-	-	44	4·31	22	2·15	2	0·20	-	-	4	0·39	
Flaxton .. ..	..	..	8,469	-	-	10	1·18	8	0·94	1	0·12	-	-	4	0·47	
Guisborough .. ..	..	..	7,848	-	-	5	0·64	15	1·91	-	-	-	-	2	0·25	
Helmsley .. ..	..	..	5,154	-	-	4	0·78	19	3·69	-	-	-	-	2	0·39	



NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—*continued*.

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
<b>County of Yorkshire, North Riding—continued.</b>													
RURAL DISTRICTS:—													
Kirkby Moorside .. ..	4,870	-	-	29	5.95	3	0.62	-	-	-	-	5	1.03
Leyburn .. ..	6,303	-	-	3	0.48	1	0.16	1	0.16	-	-	4	0.63
Malton .. ..	6,186	-	-	46	7.44	2	0.32	-	-	-	-	-	-
Middlesbrough .. ..	2,578	-	-	2	0.78	1	0.39	1	0.39	-	-	1	0.39
Northallerton .. ..	7,745	-	-	12	1.55	2	0.26	3	0.39	-	-	-	-
Pickering .. ..	6,467	-	-	1	0.15	5	0.77	3	0.46	-	-	-	-
Reeth .. ..	2,396	-	-	5	2.09	1	0.42	-	-	-	-	2	0.83
Richmond .. ..	8,082	-	-	24	2.97	14	1.73	-	-	-	-	3	0.37
Scarborough .. ..	6,320	-	-	9	1.42	2	0.32	2	0.32	-	-	-	-
Startforth .. ..	4,929	-	-	37	7.51	1	0.20	-	-	-	-	-	-
Stokesley .. ..	12,113	-	-	46	3.80	19	1.57	1	0.08	-	-	1	0.08
Thirsk .. ..	12,792	-	-	11	0.86	10	0.78	48	3.75	-	-	6	0.47
Wath .. ..	2,180	-	-	12	5.50	-	-	-	-	-	-	-	-
Whitby .. ..	8,501	-	-	8	0.94	22	2.59	-	-	-	-	5	0.59
<b>County of Yorkshire, West Riding.</b>													
ADMINISTRATIVE COUNTY	1,584,880	3	0.00	5,296	3.34	1,410	0.89	526	0.33	68	0.04	968	0.61
COUNTY BOROUGHs:—													
Bradford .. ..	288,458	2	0.01	645	2.24	421	1.46	257	0.89	16	0.06	234	0.81
Halifax .. ..	101,553	-	-	179	1.76	79	0.78	32	0.32	1	0.01	46	0.45
Huddersfield .. ..	107,821	1	0.01	705	6.54	107	0.99	14	0.13	5	0.05	48	0.45
Leeds .. ..	445,550	-	-	1,224	2.75	708	1.59	66	0.15	31	0.07	286	0.64
Rotherham .. ..	62,483	-	-	269	4.31	56	0.90	38	0.61	6	0.10	64	1.02
*Sheffield .. ..	454,632	-	-	1,737	3.79	542	1.18	166	0.36	55	0.12	445	0.97
AGGREGATE OF BOROUGHs AND URBAN DISTRICTS.	1,202,228	3	0.00	4,302	3.58	1,097	0.91	426	0.35	57	0.05	750	0.62
AGGREGATE OF RURAL DISTRICTS.	382,652	-	-	994	2.62	313	0.83	100	0.26	11	0.03	218	0.58
BOROUGHs AND URBAN DISTRICTS:—													
Altofts .. ..	4,689	-	-	13	2.77	-	-	-	-	2	0.43	4	0.85
Ardsley .. ..	6,870	-	-	14	2.04	5	0.73	4	0.58	-	-	3	0.44
Ardsley East and West ..	8,120	-	-	16	1.97	16	1.97	6	0.74	-	-	7	0.86
†Baildon .. ..	6,042	-	-	28	4.63	2	0.33	1	0.17	-	-	5	0.83
Balby with Hexthorpe ..	11,570	-	-	11	0.95	10	0.86	4	0.35	-	-	12	1.04
Barkisland .. ..	1,629	-	-	1	0.61	1	0.61	7	4.30	-	-	-	-
Barnoldswick .. ..	9,703	-	-	3	0.31	1	0.10	3	0.31	-	-	7	0.72
Barnsley .. ..	50,614	-	-	163	3.22	59	1.17	28	0.55	2	0.04	27	0.53
Batley .. ..	36,389	-	-	28	0.77	11	0.30	18	0.49	1	0.03	10	0.27
Bentley with Arksey ..	6,497	-	-	3	0.46	6	0.92	-	-	-	-	3	0.46
Bingley .. ..	18,759	-	-	195	10.40	40	2.13	1	0.05	2	0.11	19	1.01
Birkenshaw .. ..	2,508	-	-	5	1.99	1	0.40	1	0.40	-	-	-	-
Birstal .. ..	7,116	-	-	4	0.56	14	1.97	-	-	-	-	5	0.70
Bolton upon Dearne ..	8,670	-	-	25	2.88	10	1.15	1	0.12	2	0.23	11	1.27
Brighouse .. ..	20,843	-	-	56	2.69	6	0.29	1	0.05	2	0.10	5	0.24
Burley in Wharfedale ..	3,760	-	-	14	3.72	1	0.27	-	-	-	-	3	0.80
Calverley .. ..	2,998	-	-	1	0.33	1	0.33	-	-	-	-	1	0.33
Castleford .. ..	23,090	-	-	79	3.42	17	0.74	18	0.78	-	-	10	0.43
Clayton .. ..	4,863	-	-	6	1.23	2	0.41	1	0.21	-	-	4	0.82
Clayton West .. ..	1,876	-	-	-	-	1	0.53	-	-	-	-	6	3.20
Cleckheaton .. ..	12,866	-	-	51	3.96	5	0.39	2	0.16	-	-	5	0.39
Cudworth .. ..	6,824	-	-	4	0.59	3	0.44	1	0.15	-	-	9	1.32
Darfield .. ..	5,427	-	-	29	5.34	10	1.84	-	-	2	0.37	7	1.29
Darton .. ..	9,348	-	-	36	3.85	8	0.86	4	0.43	-	-	9	0.96
Denby and Cumberworth ..	3,681	-	-	12	3.26	1	0.27	15	4.07	2	0.54	1	0.27
Denholme .. ..	2,971	-	-	6	2.02	10	3.37	-	-	-	-	2	0.67
Dewsbury .. ..	53,351	-	-	190	3.56	31	0.58	15	0.28	1	0.02	16	0.30
Dodworth .. ..	3,284	-	-	12	3.65	9	2.74	-	-	-	-	3	0.91
Doncaster .. ..	30,516	-	-	12	0.39	15	0.49	14	0.46	-	-	20	0.66
Drighlington .. ..	4,126	-	-	2	0.48	-	-	3	0.73	-	-	1	0.24
Earby .. ..	6,032	-	-	1	0.17	-	-	1	0.17	-	-	4	0.66
Elland .. ..	10,676	2	0.19	231	21.64	7	0.66	5	0.47	-	-	10	0.94
Emley .. ..	1,622	-	-	1	0.62	-	-	2	1.23	-	-	4	2.47

\* On 1st April, 1912, part of the parish of Tinsley, in the Rural District of Rotherham, was added to the County Borough of Sheffield. Allowance has been made in calculating the rates.

† One case of Typhus was notified.



## NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1911—continued.

	Population (1911 Census).	Small-pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
County of Yorkshire, West Riding—continued.													
BOROUGHES AND URBAN DISTRICTS:—													
Farnley Tyas .. ..	479	-	-	-	-	-	-	-	-	-	-	-	-
Farsley .. ..	5,993	-	-	13	2·17	10	1·67	2	0·33	-	-	5	0·83
Featherstone .. ..	14,374	-	-	151	10·51	7	0·49	3	0·21	-	-	8	0·56
Floekton .. ..	1,379	-	-	3	2·18	2	1·45	-	-	-	-	2	1·45
Garforth .. ..	3,980	-	-	11	2·76	-	-	4	1·01	-	-	-	-
Gildersome .. ..	2,981	-	-	-	-	2	0·67	2	0·67	-	-	2	0·67
Golcar .. ..	10,110	-	-	29	2·87	15	1·48	9	0·89	-	-	4	0·40
Gomersal .. ..	3,796	-	-	9	2·37	1	0·26	4	1·05	3	0·79	1	0·26
Goole .. ..	20,332	-	-	21	1·03	71	3·49	5	0·25	1	0·05	11	0·54
Greasbrough .. ..	3,134	-	-	4	1·28	2	0·64	-	-	-	-	-	-
Greetland .. ..	4,490	-	-	15	3·34	2	0·45	2	0·45	-	-	8	1·78
Guiseley .. ..	4,925	-	-	12	2·44	-	-	3	0·61	-	-	2	0·41
Gunthwaite and Ing- birehworth. .. ..	380	-	-	-	-	-	-	-	-	-	-	-	-
Handsworth .. ..	14,198	-	-	33	2·32	12	0·85	6	0·42	1	0·07	12	0·85
Harrogate .. ..	33,703	-	-	32	0·95	12	0·36	1	0·03	-	-	10	0·30
Haworth .. ..	6,505	-	-	33	12·76	2	0·31	2	0·31	-	-	7	1·08
Hebden Bridge .. ..	7,172	-	-	39	5·44	12	1·67	1	0·14	-	-	4	0·56
Heckmondwike .. ..	9,016	-	-	7	0·78	6	0·67	2	0·22	3	0·33	6	0·67
Hipperholme .. ..	4,438	-	-	1	0·23	1	0·23	-	-	-	-	2	0·45
Holme .. ..	389	-	-	7	17·99	4	10·28	-	-	-	-	-	-
*Holmfirth .. ..	9,247	-	-	46	-	20	-	2	-	-	-	5	-
*Honley .. ..	5,100	-	-	9	-	3	-	1	-	-	-	6	-
Horbury .. ..	7,509	-	-	6	0·80	2	0·27	1	0·13	-	-	14	1·86
Horsforth .. ..	9,145	-	-	16	1·75	7	0·77	-	-	1	0·11	9	0·98
Hoyland Nether .. ..	14,638	-	-	60	4·10	14	0·96	4	0·27	-	-	15	1·02
Hoyland Swaine .. ..	605	-	-	-	-	1	1·65	-	-	1	1·65	1	1·65
Hunsworth .. ..	1,326	-	-	4	3·02	-	-	-	-	-	-	1	0·75
Ilkley .. ..	7,992	-	-	13	1·63	15	1·88	1	0·13	-	-	4	0·50
Keighley .. ..	43,487	-	-	439	10·09	89	2·05	6	0·14	-	-	28	0·64
Kirkburton .. ..	3,409	-	-	16	4·69	-	-	-	-	-	-	2	0·59
Kirkheaton .. ..	2,621	-	-	6	2·29	2	0·76	-	-	-	-	-	-
Knaresborough .. ..	5,315	-	-	10	1·88	12	2·26	2	0·38	-	-	-	-
Knottingley .. ..	6,880	-	-	90	13·47	7	1·05	2	0·30	-	-	4	0·60
Lepton .. ..	2,999	-	-	16	5·34	3	1·00	-	-	-	-	2	0·67
Linthwaite .. ..	8,961	-	-	60	6·70	3	0·33	2	0·22	-	-	6	0·67
Liversedge .. ..	14,658	-	-	104	7·10	12	0·82	4	0·27	-	-	12	0·82
Luddenden Foot .. ..	2,904	-	-	7	2·41	1	0·34	1	0·34	-	-	2	0·69
Marsden .. ..	5,757	-	-	204	35·44	17	2·95	2	0·35	-	-	4	0·69
Meltham .. ..	5,159	-	-	6	1·16	1	0·19	1	0·19	-	-	-	-
Methley .. ..	4,327	-	-	4	0·92	-	-	2	0·46	-	-	5	1·16
Mexborough .. ..	14,401	-	-	35	2·43	7	0·49	16	1·11	2	0·14	5	0·35
Midgley .. ..	2,143	-	-	-	-	1	0·47	2	0·93	-	-	1	0·47
Mirfield .. ..	11,712	-	-	86	7·34	1	0·09	-	-	-	-	7	0·60
Monk Bretton .. ..	4,783	-	-	19	3·97	-	-	6	1·25	1	0·21	2	0·42
Morley .. ..	24,282	-	-	36	1·48	68	2·80	10	0·41	2	0·08	15	0·62
Mytholmroyd .. ..	4,151	-	-	14	3·37	5	1·20	2	0·48	-	-	-	-
†Netherthong .. ..	867	-	-	-	-	-	-	-	-	-	-	-	-
New Mill .. ..	4,568	-	-	29	6·35	4	0·88	1	0·22	-	-	1	0·22
Normanton .. ..	15,032	-	-	36	2·39	2	0·13	3	0·20	-	-	8	0·53
Oakworth .. ..	4,279	-	-	9	2·10	9	2·10	-	-	-	-	2	0·47
Ossett .. ..	14,078	-	-	13	0·92	10	0·71	2	0·14	-	-	14	0·99
Otley .. ..	9,844	-	-	33	3·35	4	0·41	2	0·20	-	-	7	0·71
Oxenhope .. ..	2,451	-	-	19	7·75	1	0·41	1	0·41	-	-	4	1·63
Penistone .. ..	3,408	-	-	-	-	2	0·59	-	-	3	0·88	1	0·29
Pontefract .. ..	15,949	-	-	11	0·69	5	0·31	8	0·50	2	0·13	16	1·00
Pudsey .. ..	14,023	-	-	82	5·85	5	0·36	7	0·50	-	-	9	0·64
Queensbury .. ..	6,125	-	-	3	0·49	1	0·16	1	0·16	-	-	8	1·31
Rawdon .. ..	3,198	-	-	9	2·81	8	2·50	-	-	1	0·31	-	-
Rawmarsh .. ..	17,185	-	-	116	6·75	12	0·70	6	0·35	-	-	10	0·58
Ripon .. ..	8,218	-	-	7	0·85	7	0·85	2	0·24	-	-	3	0·37
Rishworth .. ..	934	-	-	-	-	1	1·07	-	-	-	-	-	-
Rothwell .. ..	14,277	-	-	36	2·52	20	1·40	3	0·21	-	-	-	-
Royston .. ..	6,237	-	-	2	0·32	1	0·16	1	0·16	-	-	-	-
Saddleworth .. ..	12,603	-	-	36	2·86	8	0·63	1	0·08	-	-	12	0·95
Scammonden .. ..	341	-	-	-	-	-	-	-	-	-	-	-	-
Selby .. ..	9,048	-	-	85	9·39	4	0·44	1	0·11	-	-	4	0·44
Shelf .. ..	2,334	-	-	1	0·43	-	-	-	-	-	-	-	-
Shelley .. ..	1,753	-	-	34	19·40	-	-	-	-	-	-	1	0·57
Shepley .. ..	1,879	-	-	6	3·19	-	-	9	4·79	-	-	-	-
Shipley .. ..	27,706	-	-	227	8·19	34	1·23	5	0·18	-	-	15	0·54

\* The area of this district was altered during the year. No rates have been calculated.

† On 1st April, 1912, the Urban District of Netherthong was abolished and its area added to that of the Urban District of Holmfirth. The figures given are for the period 31st December, 1911–30th March, 1912.



## NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—continued.

	Population (1911 Census).	Small-pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
County of Yorkshire, West Riding—continued.													
BOROUGHS AND URBAN DISTRICTS:—													
Silsden .. ..	4,960	-	-	2	0·40	3	0·60	-	-	1	0·20	13	2·62
Skelmanthorpe .. ..	3,817	-	-	1	0·26	5	1·31	-	-	-	-	5	1·31
Skipton .. ..	12,977	-	-	8	0·62	-	-	2	0·15	-	-	12	0·92
Slaithwaite .. ..	5,568	-	-	35	6·29	3	0·54	-	-	-	-	4	0·72
South Crosland .. ..	3,124	-	-	13	4·16	12	3·84	-	-	-	-	3	0·96
Southowram .. ..	2,745	-	-	2	0·73	-	-	1	0·36	-	-	2	0·73
Sowerby .. ..	3,232	-	-	1	0·31	2	0·62	-	-	-	-	1	0·31
Sowerby Bridge .. ..	11,350	-	-	2	0·18	12	1·06	4	0·35	-	-	3	0·26
Soyland .. ..	2,934	-	-	-	-	1	0·34	-	-	-	-	1	0·34
Springhead .. ..	5,051	-	-	14	2·77	-	-	1	0·20	2	0·40	4	0·79
Stainland with Old Lindley.	4,449	-	-	49	11·01	16	3·60	1	0·22	-	-	2	0·45
Stanley .. ..	13,586	-	-	16	1·18	3	0·22	6	0·44	-	-	7	0·52
Stocksbridge .. ..	7,086	-	-	13	1·83	1	0·14	5	0·71	1	0·14	6	0·85
Swinton .. ..	13,654	-	-	12	0·88	18	1·32	34	2·49	2	0·15	11	0·81
Thurlstone .. ..	2,848	-	-	3	1·05	-	-	-	-	1	0·35	1	0·35
Thurnscoe .. ..	4,074	-	-	7	1·72	1	0·25	-	-	-	-	3	0·74
Thurstonland .. ..	2,041	-	-	11	5·39	2	0·98	2	0·98	-	-	-	-
Tickhill .. ..	1,806	-	-	1	0·55	1	0·55	-	-	-	-	-	-
Todmorden .. ..	25,404	-	-	42	1·65	16	0·63	12	0·47	2	0·08	20	0·79
Wakefield .. ..	51,511	-	-	60	1·16	65	1·26	17	0·33	5	0·10	33	0·64
Wath-upon-Dearne .. ..	11,823	1	0·08	71	6·01	7	0·59	8	0·68	1	0·08	11	0·93
Wheatley .. ..	5,363	-	-	7	1·31	-	-	1	0·19	1	0·19	1	0·19
Whitley Upper .. ..	830	-	-	2	2·41	-	-	-	-	1	1·20	-	-
Whitwood .. ..	5,517	-	-	14	2·54	1	0·18	1	0·18	1	0·18	1	0·18
Wombwell .. ..	17,536	-	-	37	2·11	13	0·74	6	0·34	2	0·11	16	0·91
Worsborough .. ..	12,750	-	-	44	3·45	10	0·78	3	0·24	-	-	7	0·55
Yeadon .. ..	7,440	-	-	13	1·75	12	1·61	-	-	-	-	1	0·13
RURAL DISTRICTS:—													
Barnsley .. ..	4,124	-	-	5	1·21	3	0·73	1	0·24	1	0·24	3	0·73
Bishopthorpe .. ..	2,091	-	-	5	2·39	6	2·87	-	-	-	-	1	0·48
Bowland .. ..	5,357	-	-	1	0·19	13	2·43	-	-	-	-	5	0·93
Doncaster .. ..	37,559	-	-	95	2·53	29	0·77	16	0·43	-	-	10	0·27
Goole .. ..	8,516	-	-	2	0·23	13	1·53	1	0·12	-	-	1	0·12
Great Ouseburn .. ..	10,667	-	-	24	2·25	9	0·84	4	0·37	-	-	7	0·66
Halifax .. ..	6,210	-	-	8	1·29	3	0·48	1	0·16	-	-	1	0·16
Hemsworth .. ..	40,103	-	-	146	3·64	36	0·90	5	0·12	3	0·07	14	0·35
Hunslet .. ..	7,786	-	-	27	3·47	3	0·39	1	0·13	-	-	6	0·77
Keighley .. ..	6,635	-	-	34	9·65	9	1·36	-	-	-	-	2	0·30
Kiveton Park .. ..	13,421	-	-	3	0·22	22	1·64	2	0·15	1	0·07	4	0·30
Knaresborough .. ..	8,143	-	-	12	1·47	2	0·25	1	0·12	-	-	-	-
Leeds (Roundhay and Seacroft).	4,289	-	-	4	0·93	3	0·70	-	-	-	-	2	0·47
Pateley Bridge .. ..	7,753	-	-	13	1·68	4	0·52	2	0·26	-	-	2	0·26
Penistone .. ..	5,541	-	-	14	2·53	7	1·26	2	0·36	2	0·36	20	3·61
Pontefract .. ..	15,263	-	-	31	2·03	9	0·59	3	0·20	-	-	3	0·20
Ripon .. ..	5,367	-	-	22	4·10	9	1·68	-	-	-	-	2	0·37
*Rotherham .. ..	33,133	-	-	104	3·56	22	0·75	21	0·72	1	0·03	39	1·34
Sedbergh .. ..	3,737	-	-	10	2·68	-	-	-	-	-	-	5	1·34
Selby .. ..	5,922	-	-	23	3·88	1	0·17	2	0·34	-	-	2	0·34
Settle .. ..	14,901	-	-	107	7·18	17	1·14	2	0·13	-	-	23	1·54
Skipton .. ..	18,575	-	-	9	0·48	9	0·48	4	0·22	1	0·05	7	0·38
Tadcaster .. ..	29,072	-	-	67	2·30	18	0·62	5	0·17	1	0·03	11	0·38
Thorne .. ..	8,783	-	-	14	1·59	13	1·48	8	0·91	1	0·11	10	1·14
Todmorden .. ..	4,622	-	-	29	6·27	4	0·87	-	-	-	-	3	0·65
Wakefield .. ..	16,688	-	-	13	0·78	3	0·18	3	0·18	-	-	5	0·30
Wetherby .. ..	16,209	-	-	45	2·78	19	1·17	4	0·25	-	-	8	0·49
Wharfedale .. ..	9,382	-	-	31	3·30	5	0·53	2	0·21	-	-	9	0·96
Wortley .. ..	32,803	-	-	66	2·01	22	0·67	10	0·30	-	-	13	0·40
County of Anglesey.													
ADMINISTRATIVE COUNTY	50,928	-	-	81	1·59	53	1·04	1	0·02	1	0·02	6	0·12
AGGREGATE OF BOROUGH AND URBAN DISTRICTS.	13,994	-	-	53	2·79	37	1·95	1	0·05	1	0·05	2	0·11
AGGREGATE OF RURAL DISTRICTS.	31,934	-	-	28	0·88	16	0·50	-	-	-	-	4	0·13

\* The area of this district was altered during the year. Allowance has been made in the calculation of the rates.



NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—*continued.*

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
<b>County of Anglesey—</b> <i>continued.</i>													
BOROUGHS AND URBAN DISTRICTS:—													
Amlwch .. .. .	2,718	—	—	43	15·82	—	—	—	—	—	—	—	—
Beaumaris .. .. .	2,231	—	—	1	0·45	2	0·90	—	—	—	—	—	—
Holyhead .. .. .	10,636	—	—	4	0·38	14	1·32	1	0·09	—	—	2	0·19
Llangefni .. .. .	1,771	—	—	5	2·82	7	3·95	—	—	1	0·56	—	—
Menai Bridge .. ..	1,638	—	—	—	—	14	8·55	—	—	—	—	—	—
RURAL DISTRICTS:—													
Aethwy .. .. .	8,710	—	—	12	1·38	2	0·23	—	—	—	—	2	0·23
Dwyran .. .. .	2,990	—	—	4	1·34	1	0·33	—	—	—	—	—	—
Twrcelyn .. .. .	9,336	—	—	9	0·96	2	0·21	—	—	—	—	2	0·21
Valley .. .. .	10,898	—	—	3	0·28	11	1·01	—	—	—	—	—	—
<b>County of Brecknock.</b>													
ADMINISTRATIVE COUNTY	59,287	—	—	138	2·33	61	1·03	5	0·08	3	0·05	27	0·46
AGGREGATE OF BOROUGH AND URBAN DISTRICTS.	17,556	—	—	48	2·73	7	0·40	2	0·11	2	0·11	8	0·46
AGGREGATE OF RURAL DISTRICTS.	41,731	—	—	99	2·16	54	1·29	3	0·07	1	0·02	19	0·46
BOROUGHS AND URBAN DISTRICTS:—													
Brecknock .. .. .	5,908	—	—	17	2·88	—	—	1	0·17	—	—	4	0·68
Brynmawr .. .. .	7,582	—	—	29	3·82	6	0·79	1	0·13	2	0·26	1	0·13
Builth Wells .. .. .	1,710	—	—	—	—	1	0·58	—	—	—	—	—	—
Hay .. .. .	1,603	—	—	2	1·25	—	—	—	—	—	—	3	1·87
Llanwrtyd .. .. .	753	—	—	—	—	—	—	—	—	—	—	—	—
RURAL DISTRICTS:—													
Brecknock .. .. .	9,155	—	—	1	0·11	14	1·53	1	0·11	—	—	5	0·55
Builth .. .. .	4,237	—	—	2	0·47	—	—	—	—	—	—	2	0·47
Crickhowel .. .. .	7,719	—	—	14	1·81	4	0·52	—	—	—	—	2	0·26
Hay .. .. .	3,585	—	—	4	1·12	5	1·39	1	0·28	—	—	3	0·84
*Llanwrthwl (parish) ..	411	—	—	—	—	—	—	—	—	—	—	—	—
Vaynor and Penderyn ..	5,526	—	—	16	2·90	—	—	—	—	1	0·18	1	0·18
†Ystradfellte (parish) ..	627	—	—	2	3·19	—	—	—	—	—	—	—	—
Ystradgynlais .. ..	10,471	—	—	51	4·87	31	2·96	1	0·10	—	—	6	0·57
<b>County of Cardigan.</b>													
ADMINISTRATIVE COUNTY	59,879	—	—	151	2·52	80	1·34	7	0·12	4	0·07	15	0·25
AGGREGATE OF BOROUGH AND URBAN DISTRICTS.	16,324	—	—	25	1·53	16	0·98	2	0·12	1	0·06	5	0·31
AGGREGATE OF RURAL DISTRICTS.	43,555	—	—	126	2·89	64	1·47	5	0·11	3	0·07	10	0·23
BOROUGHS AND URBAN DISTRICTS:—													
Aberayron .. .. .	1,342	—	—	1	0·75	—	—	—	—	—	—	—	—
Aberystwith .. .. .	8,411	—	—	15	1·78	4	0·48	1	0·12	—	—	3	0·36
Cardigan .. .. .	3,578	—	—	4	1·12	10	2·80	—	—	1	0·28	—	—
Lampeter .. .. .	1,802	—	—	5	2·77	1	0·55	—	—	—	—	—	—
New Quay .. .. .	1,191	—	—	—	—	1	0·84	1	0·84	—	—	2	1·68
RURAL DISTRICTS:—													
Aberayron .. .. .	7,729	—	—	39	5·05	17	2·20	2	0·26	—	—	—	—
Aberystwith .. .. .	13,071	—	—	29	2·22	5	0·38	1	0·08	2	0·15	2	0·15
Cardigan .. .. .	3,266	—	—	5	1·53	1	0·31	—	—	—	—	1	0·31
Lampeter .. .. .	3,566	—	—	4	1·12	7	1·96	—	—	—	—	2	0·56
Llandyssil .. .. .	7,984	—	—	11	1·38	18	2·25	2	0·25	—	—	3	0·38
‡Scybor-y-coed (parish) ..	418	—	—	3	7·18	2	4·78	—	—	—	—	—	—
Tregaron .. .. .	7,521	—	—	35	4·65	14	1·86	—	—	1	0·13	2	0·27

\* This parish is administered by the Rural District Council of Rhayader (Radnor).

† This parish is administered by the Rural District Council of Neath (Glamorgan).

‡ This parish is administered by the Rural District Council of Machynlleth (Montgomery).

NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—*continued.*

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
<b>County of Carmarthen.</b>													
ADMINISTRATIVE COUNTY	160,406	1	0·01	300	1·87	265	1·65	23	0·14	19	0·12	67	0·42
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	65,815	-	-	53	0·82	59	0·91	7	0·11	14	0·22	24	0·37
AGGREGATE OF RURAL DISTRICTS.	94,591	1	0·01	247	2·58	206	2·15	16	0·17	5	0·05	43	0·45
BOROUGHES AND URBAN DISTRICTS:—													
Ammanford.. ..	6,074	-	-	5	0·82	4	0·66	-	-	1	0·16	5	0·82
Burry Port .. ..	4,599	-	-	4	0·87	2	0·43	-	-	-	-	-	-
Carmarthen.. ..	10,221	-	-	6	0·59	1	0·10	-	-	2	0·20	2	0·20
*Cwmamman .. ..	4,971	-	-	6	1·61	2	0·54	-	-	-	-	-	-
Kidwelly .. ..	3,033	-	-	5	1·65	1	0·33	1	0·33	-	-	-	-
Llandilo .. ..	1,931	-	-	-	-	5	2·59	-	-	-	-	3	1·55
Llandovery .. ..	1,993	-	-	8	4·01	-	-	-	-	-	-	1	0·50
Llanelly .. ..	32,071	-	-	18	0·56	40	1·25	5	0·16	11	0·34	13	0·41
Newcastle Emlyn..	922	-	-	1	1·08	4	4·34	1	1·08	-	-	-	-
RURAL DISTRICTS:—													
Carmarthen.. ..	24,206	-	-	40	1·65	35	1·45	2	0·08	-	-	6	0·25
*Llandilofawr .. ..	20,295	-	-	69	3·20	12	0·56	2	0·09	1	0·05	19	0·88
Llandovery .. ..	7,360	-	-	8	1·09	-	-	1	0·14	-	-	-	-
Llanelly .. ..	27,430	-	-	116	4·23	25	0·91	11	0·40	4	0·15	13	0·47
Llanybyther .. ..	3,599	-	-	-	-	14	3·89	-	-	-	-	2	0·56
Newcastle in Emlyn	6,477	1	0·15	12	1·85	117	18·06	-	-	-	-	3	0·46
Whitland .. ..	5,224	-	-	2	0·38	3	0·57	-	-	-	-	-	-
<b>County of Carnarvon.</b>													
ADMINISTRATIVE COUNTY	125,043	-	-	260	2·08	170	1·36	14	0·11	2	0·02	48	0·38
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	58,334	-	-	138	2·37	78	1·34	9	0·15	1	0·02	22	0·38
AGGREGATE OF RURAL DISTRICTS.	66,709	-	-	122	1·83	92	1·38	5	0·07	1	0·01	26	0·39
BOROUGHES AND URBAN DISTRICTS:—													
Bangor .. ..	11,236	-	-	65	5·78	38	3·38	3	0·27	-	-	5	0·44
Bethesda .. ..	4,716	-	-	19	4·03	5	1·06	1	0·21	-	-	4	0·85
Bettws y Coed .. ..	925	-	-	-	-	-	-	2	2·16	-	-	-	-
Carnarvon .. ..	9,119	-	-	2	0·22	1	0·11	-	-	-	-	7	0·77
Conway .. ..	5,242	-	-	3	0·57	9	1·72	1	0·19	-	-	-	-
Criccieth .. ..	1,376	-	-	4	2·91	3	2·18	-	-	-	-	2	1·45
Llandudno .. ..	10,469	-	-	29	2·77	19	1·81	1	0·10	1	0·10	3	0·29
Llanfairfechan .. ..	2,973	-	-	2	0·67	2	0·67	1	0·34	-	-	-	-
Penmaenmawr .. ..	4,042	-	-	1	0·25	-	-	-	-	-	-	-	-
Pwllheli .. ..	3,791	-	-	-	-	-	-	-	-	-	-	-	-
Ynyscynhaiarn .. ..	4,445	-	-	13	2·92	1	0·22	-	-	-	-	1	0·22
RURAL DISTRICTS:—													
Conway .. ..	7,165	-	-	11	1·54	4	0·56	-	-	1	0·14	2	0·28
Geirionydd .. ..	4,478	-	-	12	2·68	1	0·22	-	-	-	-	3	0·67
Glaslyn .. ..	3,333	-	-	9	2·70	2	0·60	-	-	-	-	1	0·30
Gwyrfa .. ..	28,233	-	-	68	2·41	43	1·52	1	0·04	-	-	13	0·46
Lleyn .. ..	16,839	-	-	7	0·42	23	1·37	3	0·18	-	-	2	0·12
Ogwen .. ..	6,661	-	-	15	2·25	19	2·85	1	0·15	-	-	5	0·75
<b>County of Denbigh.</b>													
ADMINISTRATIVE COUNTY.	144,783	-	-	344	2·38	119	0·82	16	0·11	7	0·05	43	0·30
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	48,612	-	-	34	0·70	37	0·76	2	0·04	1	0·02	14	0·29
AGGREGATE OF RURAL DISTRICTS	96,171	-	-	310	3·22	82	0·85	14	0·15	6	0·06	29	0·30
BOROUGHES AND URBAN DISTRICTS:—													
Abergele and Pensarn ..	2,121	-	-	-	-	-	-	-	-	-	-	-	-
Colwyn Bay and Colwyn	12,630	-	-	3	0·24	11	0·87	2	0·16	1	0·08	6	0·48
Denbigh .. ..	6,892	-	-	1	0·15	6	0·87	-	-	-	-	1	0·15
Llangollen .. ..	3,249	-	-	-	-	-	-	-	-	-	-	-	-
Llanrwst .. ..	2,519	-	-	6	2·38	1	0·40	-	-	-	-	-	-
Ruthin .. ..	2,824	-	-	-	-	5	1·77	-	-	-	-	-	-
Wrexham .. ..	18,377	-	-	24	1·31	14	0·76	-	-	-	-	7	0·38

\* On 1st April, 1912, parts of the parishes of Bettws and Llandilo Rural were constituted the Urban District of Cwmamman. Allowance has been made in calculating the rates.



NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—*continued*.

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
<b>County of Denbigh—</b> <i>continued.</i>													
RURAL DISTRICTS:—													
Chirk.. ..	4,557	—	—	136	29·84	—	—	—	—	—	—	5	1·10
*Glan Conway and Llanel- lian (parishes).	1,706	—	—	—	—	—	—	—	—	1	0·59	—	—
Llangollen .. ..	3,608	—	—	5	1·39	1	0·28	—	—	—	—	—	—
Llanrwst .. ..	4,404	—	—	1	0·23	—	—	—	—	—	—	3	0·68
Llansilin .. ..	3,190	—	—	—	—	1	0·31	—	—	—	—	—	—
Ruthin .. ..	9,076	—	—	21	2·31	1	0·11	—	—	—	—	3	0·33
St. Asaph .. ..	6,710	—	—	17	2·53	—	—	—	—	—	—	1	0·15
Uwchaled .. ..	2,243	—	—	—	—	—	—	—	—	—	—	—	—
Wrexham .. ..	60,677	—	—	130	2·14	79	1·30	14	0·23	5	0·08	17	0·28
<b>County of Flint.</b>													
ADMINISTRATIVE COUNTY	92,705	—	—	278	3·00	143	1·54	10	0·11	4	0·04	41	0·44
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	34,864	—	—	120	3·44	58	1·66	2	0·06	1	0·03	18	0·52
AGGREGATE OF RURAL DISTRICTS.	57,841	—	—	158	2·73	85	1·47	8	0·14	3	0·05	23	0·40
BOROUGHES AND URBAN DISTRICTS:—													
Buckley .. ..	6,333	—	—	2	0·32	15	2·37	1	0·16	—	—	3	0·47
Connah's Quay .. ..	4,596	—	—	20	4·35	7	1·52	—	—	—	—	4	0·87
Flint .. ..	5,472	—	—	30	5·48	6	1·10	—	—	—	—	5	0·91
Holywell .. ..	2,549	—	—	35	13·73	12	4·71	—	—	—	—	2	0·78
Mold .. ..	4,873	—	—	5	1·03	9	1·85	1	0·21	—	—	—	—
Prestatyn .. ..	2,036	—	—	2	0·98	—	—	—	—	—	—	—	—
Rhyl .. ..	9,005	—	—	26	2·89	9	1·00	—	—	1	0·11	4	0·44
RURAL DISTRICTS:—													
Hawarden .. ..	20,571	—	—	47	2·28	30	1·46	2	0·10	2	0·10	6	0·29
Holywell .. ..	25,328	—	—	104	4·11	47	1·86	4	0·16	1	0·04	9	0·36
Overton .. ..	5,176	—	—	—	—	6	1·16	2	0·39	—	—	7	1·35
St. Asaph .. ..	6,766	—	—	7	1·03	2	0·30	—	—	—	—	1	0·15
<b>County of Glamorgan.</b>													
ADMINISTRATIVE COUNTY	742,998	—	—	3,391	4·56	813	1·09	188	0·25	62	0·08	328	0·44
COUNTY BOROUGHES:—													
Cardiff .. ..	182,259	—	—	472	2·59	536	2·94	56	0·31	11	0·06	170	0·93
Merthyr Tydfil .. ..	80,990	—	—	294	3·63	45	0·56	24	0·30	7	0·09	22	0·27
Swansea .. ..	114,663	—	—	299	2·61	223	1·94	11	0·10	4	0·03	26	0·23
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	537,096	—	—	2,666	4·96	632	1·18	144	0·27	53	0·10	242	0·45
AGGREGATE OF RURAL DISTRICTS.	205,902	—	—	725	3·52	181	0·88	44	0·21	9	0·04	86	0·42
BOROUGHES AND URBAN DISTRICTS:—													
Aberavon .. ..	10,505	—	—	6	0·57	10	0·95	—	—	—	—	8	0·76
Aberdare .. ..	50,830	—	—	635	12·49	41	0·81	10	0·20	4	0·08	16	0·31
Barry .. ..	33,763	—	—	60	1·78	44	1·30	25	0·74	1	0·03	28	0·83
Bridgend .. ..	8,021	—	—	21	2·62	6	0·75	—	—	—	—	1	0·12
Briton Ferry .. ..	8,472	—	—	15	1·77	3	0·35	1	0·12	4	0·47	—	—
Caerphilly .. ..	32,844	—	—	245	7·46	54	1·64	5	0·15	9	0·27	12	0·37
Cowbridge .. ..	1,167	—	—	4	3·43	—	—	—	—	—	—	2	1·71
Gelligaer .. ..	35,521	—	—	110	3·10	11	0·31	6	0·17	4	0·11	15	0·42
Glyncorwg .. ..	8,688	—	—	51	5·87	4	0·46	2	0·23	1	0·12	9	1·04
Maesteg .. ..	24,977	—	—	18	0·72	23	0·92	1	0·04	—	—	5	0·20
Margam .. ..	14,713	—	—	17	1·16	65	4·42	1	0·07	—	—	16	1·09
Mountain Ash .. ..	42,246	—	—	102	2·41	48	1·14	7	0·17	7	0·17	13	0·31
Neath .. ..	17,586	—	—	50	2·84	19	1·08	—	—	4	0·23	9	0·51
Ogmore and Garw .. ..	26,741	—	—	199	7·44	30	1·12	3	0·11	2	0·07	6	0·22
Oystermouth .. ..	6,098	—	—	2	0·33	30	4·92	2	0·33	—	—	4	0·66
Penarth .. ..	15,488	—	—	39	2·52	13	0·84	2	0·13	—	—	7	0·45
Pontypridd .. ..	43,211	—	—	168	3·89	32	0·74	7	0·16	2	0·05	15	0·35
Porthcawl .. ..	3,444	—	—	1	0·29	1	0·29	1	0·29	—	—	—	—
Rhondda .. ..	152,781	—	—	923	6·04	198	1·30	71	0·46	15	0·10	76	0·50
RURAL DISTRICTS:—													
Cowbridge .. ..	7,935	—	—	38	4·79	9	1·13	—	—	—	—	—	—
Gower .. ..	8,622	—	—	31	3·60	6	0·70	1	0·12	—	—	2	0·23

\* These parishes are administered by the Rural District Council of Conway (Carnarvon).



NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—*continued*.

	Population (1911 Census).	Small-pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
<b>County of Glamorgan</b> —continued.													
RURAL DISTRICTS:—													
Llandaff and Dinas Powis	33,200	-	-	88	2·05	64	1·93	13	0·39	3	0·09	16	0·48
Llantrisant and Llan- twit Fardre.	17,482	-	-	71	4·06	13	0·74	11	0·63	1	0·06	2	0·11
Neath .. .. .	41,613	-	-	154	3·70	41	0·99	8	0·19	2	0·05	10	0·24
Penybont .. .. .	22,324	-	-	244	10·93	13	0·58	4	0·18	1	0·04	21	0·94
Pontardawe.. .. .	31,498	-	-	45	1·43	10	0·32	6	0·19	-	-	27	0·86
Swansea .. .. .	43,228	-	-	74	1·71	25	0·58	1	0·02	2	0·05	8	0·19
<b>County of Merioneth.</b>													
ADMINISTRATIVE COUNTY	45,565	-	-	141	3·09	62	1·36	3	0·07	-	-	30	0·66
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	20,163	-	-	115	5·70	53	2·63	-	-	-	-	25	1·24
AGGREGATE OF RURAL DISTRICTS.	25,402	-	-	26	1·02	9	0·35	3	0·12	-	-	5	0·20
BOROUGHES AND URBAN DISTRICTS:—													
Bala .. .. .	1,537	-	-	-	-	-	-	-	-	-	-	-	-
Barmouth .. .. .	2,106	-	-	4	1·90	1	0·47	-	-	-	-	-	-
Dolgelly .. .. .	2,160	-	-	1	0·46	-	-	-	-	-	-	-	-
Festiniog .. .. .	9,674	-	-	104	10·75	52	5·38	-	-	-	-	23	2·38
Mallwyd .. .. .	757	-	-	-	-	-	-	-	-	-	-	-	-
Towyn .. .. .	3,929	-	-	6	1·53	-	-	-	-	-	-	2	0·51
RURAL DISTRICTS:—													
Deudraeth .. .. .	7,793	-	-	2	0·26	1	0·13	-	-	-	-	3	0·38
Dolgelly .. .. .	7,975	-	-	22	2·76	2	0·25	3	0·38	-	-	1	0·13
Edeirnion .. .. .	5,132	-	-	2	0·39	6	1·17	-	-	-	-	1	0·19
Penllyn .. .. .	4,072	-	-	-	-	-	-	-	-	-	-	-	-
*Pennal (parish) .. .. .	430	-	-	-	-	-	-	-	-	-	-	-	-
<b>County of Monmouth.</b>													
ADMINISTRATIVE COUNTY	312,028	-	-	1257	4·03	284	0·91	99	0·32	25	0·08	216	0·69
COUNTY BOROUGH:—													
Newport .. .. .	83,691	-	-	532	6·36	47	0·56	23	0·27	5	0·06	33	0·39
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	269,474	-	-	1149	4·32	252	0·95	95	0·36	25	0·09	204	0·77
AGGREGATE OF RURAL DISTRICTS.	42,554	-	-	108	2·33	32	0·69	4	0·09	-	-	12	0·26
BOROUGHES AND URBAN DISTRICTS:—													
Abercarn .. .. .	16,445	-	-	50	3·04	24	1·46	4	0·24	-	-	12	0·73
Abergavenny .. .. .	8,511	-	-	10	1·17	13	1·53	1	0·12	-	-	2	0·23
Abersychan .. .. .	24,656	-	-	100	4·06	42	1·70	12	0·49	-	-	21	0·85
Abertillery .. .. .	35,415	-	-	178	5·03	12	0·34	3	0·08	3	0·08	9	0·25
†Bedwas and Machen	4,936	-	-	6	4·98	2	1·66	-	-	-	-	-	-
Bedwellty .. .. .	22,547	-	-	21	0·93	33	1·46	7	0·31	3	0·13	21	0·93
Blaenavon .. .. .	12,010	-	-	53	4·41	7	0·58	8	0·67	-	-	19	1·58
Caerleon .. .. .	2,046	-	-	7	3·42	3	1·47	-	-	-	-	3	1·47
Chepstow .. .. .	2,953	-	-	4	1·35	-	-	1	0·34	-	-	-	-
Ebbw Vale .. .. .	30,541	-	-	237	7·76	22	0·72	35	1·15	1	0·03	53	1·74
Llanfrechfa Upper	4,468	-	-	9	2·01	2	0·45	-	-	4	0·90	7	1·57
Llantarnam .. .. .	7,058	-	-	17	2·41	8	1·13	-	-	1	0·14	4	0·57
Monmouth .. .. .	5,269	-	-	1	0·19	-	-	1	0·19	-	-	-	-
Mynyddislwyn .. .. .	9,980	-	-	34	3·41	11	1·10	-	-	1	0·10	2	0·20
Nantyglo and Blaina	15,395	-	-	62	4·03	8	0·52	3	0·19	1	0·06	4	0·26
Panteg .. .. .	10,098	-	-	33	3·27	1	0·10	1	0·10	1	0·10	4	0·40
Pontypool .. .. .	6,452	-	-	34	5·27	3	0·46	3	0·46	-	-	3	0·46
Rhymney .. .. .	11,449	-	-	30	2·62	12	1·05	2	0·17	6	0·52	8	0·70
Risca .. .. .	14,149	-	-	178	12·58	9	0·64	3	0·21	2	0·14	1	0·07
Tredegarr .. .. .	23,601	-	-	85	3·60	39	1·65	11	0·47	2	0·08	31	1·31
Usk .. .. .	1,495	-	-	-	-	1	0·67	-	-	-	-	-	-
RURAL DISTRICTS:—													
Abergavenny .. .. .	8,791	-	-	6	0·68	6	0·68	-	-	-	-	3	0·34
Chepstow .. .. .	7,971	-	-	7	0·88	2	0·25	-	-	-	-	1	0·13
Magor .. .. .	4,849	-	-	11	2·27	7	1·44	-	-	-	-	3	0·62
Monmouth .. .. .	6,521	-	-	4	0·61	1	0·15	1	0·15	-	-	-	-
Pontypool .. .. .	5,047	-	-	7	1·39	-	-	-	-	-	-	-	-
†St. Mellons .. .. .	9,375	-	-	73	5·57	16	1·22	3	0·23	-	-	5	0·38

\* This parish is administered by the Rural District Council of Machynlleth (Montgomery).

† On 1st October, 1912, the parishes of Bedwas and Machen Upper in the Rural District of St. Mellons were constituted the Urban District of Bedwas and Machen. Allowance has been made in the calculation of the above rates.



NOTIFICATIONS OF INFECTIOUS DISEASE AND ATTACK-RATES, 1912—*continued.*

	Population (1911 Census).	Small- pox.		Scarlet Fever.		Diph- theria.		Enteric Fever.		Puerperal Fever.		Ery- sipelas.	
		Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.	Cases.	Rate.
County of Montgomery.													
ADMINISTRATIVE COUNTY.	53,146	-	-	45	0·85	34	0·64	3	0·06	3	0·06	24	0·45
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	19,140	-	-	9	0·47	5	0·26	-	-	1	0·05	7	0·37
AGGREGATE OF RURAL DISTRICTS.	34,006	-	-	36	1·06	29	0·85	3	0·09	2	0·06	17	0·50
BOROUGHES AND URBAN DISTRICTS:—													
Llanfyllin .. .. .	1,633	-	-	1	0·61	-	-	-	-	-	-	2	1·22
Llanidloes .. .. .	2,594	-	-	1	0·39	2	0·77	-	-	-	-	-	-
Machynlleth .. .. .	1,945	-	-	1	0·51	-	-	-	-	-	-	-	-
Montgomery .. .. .	983	-	-	-	-	-	-	-	-	-	-	1	1·02
Newtown and Llanllwchaiarn.	6,068	-	-	1	0·16	1	0·16	-	-	-	-	4	0·66
Welshpool .. .. .	5,917	-	-	5	0·85	2	0·34	-	-	1	0·17	-	-
RURAL DISTRICTS:—													
Forden .. .. .	5,737	-	-	14	2·44	5	0·87	1	0·17	1	0·17	9	1·57
Llanfyllin .. .. .	12,506	-	-	10	0·80	16	1·28	-	-	-	-	1	0·08
Machynlleth .. .. .	4,131	-	-	-	-	1	0·24	-	-	-	-	-	-
Newtown and Llanidloes	11,632	-	-	12	1·03	7	0·60	2	0·17	1	0·09	7	0·60
County of Pembroke.													
ADMINISTRATIVE COUNTY	89,960	-	-	78	0·87	120	1·33	26	0·29	3	0·03	20	0·22
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	38,779	-	-	45	1·16	62	1·60	16	0·41	-	-	12	0·31
AGGREGATE OF RURAL DISTRICTS.	51,181	-	-	33	0·64	58	1·13	10	0·20	3	0·06	8	0·16
BOROUGHES AND URBAN DISTRICTS:—													
Fishguard .. .. .	2,892	-	-	-	-	3	1·04	-	-	-	-	-	-
Haverfordwest .. .. .	5,919	-	-	1	0·17	9	1·52	2	0·34	-	-	4	0·68
Milford Haven .. .. .	6,399	-	-	6	0·94	11	1·72	-	-	-	-	2	0·31
Narberth .. .. .	1,105	-	-	-	-	5	4·52	-	-	-	-	-	-
Neyland .. .. .	2,423	-	-	3	1·24	-	-	12	4·95	-	-	-	-
Pembroke .. .. .	15,673	-	-	35	2·23	34	2·17	2	0·13	-	-	6	0·38
Tenby .. .. .	4,368	-	-	-	-	-	-	-	-	-	-	-	-
RURAL DISTRICTS:—													
Haverfordwest .. .. .	21,360	-	-	18	0·84	42	1·97	3	0·14	1	0·05	6	0·28
Llanfyrnach .. .. .	2,422	-	-	1	0·41	4	1·65	-	-	-	-	-	-
Narberth .. .. .	10,993	-	-	4	0·36	9	0·82	2	0·18	-	-	2	0·18
Pembroke .. .. .	8,518	-	-	5	0·59	1	0·12	5	0·59	1	0·12	-	-
St. Dogmells .. .. .	7,888	-	-	5	0·63	2	0·25	-	-	1	0·13	-	-
County of Radnor.													
ADMINISTRATIVE COUNTY	22,590	-	-	43	1·90	16	0·71	1	0·04	-	-	9	0·40
AGGREGATE OF BOROUGHES AND URBAN DISTRICTS.	5,806	-	-	15	2·58	7	1·21	1	0·17	-	-	3	0·52
AGGREGATE OF RURAL DISTRICTS.	16,784	-	-	38	2·26	9	0·54	-	-	-	-	6	0·36
BOROUGHES AND URBAN DISTRICTS:—													
Knighton .. .. .	1,886	-	-	1	0·53	1	0·53	-	-	-	-	1	0·53
Llandrindod Wells .. .. .	2,779	-	-	12	4·32	1	0·36	1	0·36	-	-	1	0·36
Presteigne .. .. .	1,141	-	-	2	1·75	5	4·38	-	-	-	-	1	0·88
RURAL DISTRICTS:—													
Colwyn .. .. .	2,052	-	-	2	0·97	1	0·49	-	-	-	-	-	-
Knighton .. .. .	4,443	-	-	7	1·58	2	0·45	-	-	-	-	2	0·45
New Radnor .. .. .	2,758	-	-	6	2·18	1	0·36	-	-	-	-	2	0·73
Painscastle .. .. .	2,333	-	-	2	0·86	-	-	-	-	-	-	-	-
Rhayader .. .. .	5,198	-	-	21	4·04	5	0·96	-	-	-	-	2	0·38













